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**EVALUATION OF WEAPONS' COMBUSTION PRODUCTS
IN ARMORED VEHICLES**

Final Report

Appendix C: Summary of Descriptive Statistics (PROC TABULATE)

Appendix D: Summary of Comparative Statistics

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9. ABSTRACT (Continue on reverse if necessary and identify by block number) The U.S. Army Biomedical Research and Development Laboratory defined an extensive research program to address the generation of potentially toxic propellant combustion products in crew compartments of armored vehicles during weapons firing. The major objectives of the research were (1) to determine the presence and concentration of propellant combustion products, (2) to determine potential crew exposure to these combustion products, and (3) to assess the efficacy of field monitoring in armored vehicles. To achieve these goals, air monitoring was conducted in selected armored vehicle types, i.e., M109, M60, M3, M1, at several Army installations. Auxiliary information concerning the specific munitions fired and the Training and Doctrine Command (TRADOC) or Forces Command (FORSCOM) firing scenarios was collected so that a comparison of pollutant concentrations generated by specific weapons both within vehicle types and between vehicle types could be made.			
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19. ABSTRACT (continued)

The characterization of the airborne combustion products in armored vehicles during weapons firing exercises was facilitated by the use of optimized sampling and analysis methods to permit the collection of large sample volumes and thus enhance the ability to identify and quantify trace pollutants. Inorganic gases and members of several compound classes were found in one or more armored vehicles during firing:

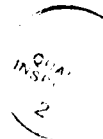
WEAPON POLLUTANTS

Carbon Monoxide	Vapor Phase Organics
Ammonia	Aldehydes
Carbon Dioxide	Polycyclic Aromatic Hydrocarbons (PAHs)
Hydrogen Cyanide	Nitro-PAHs
Hydrogen Sulfide	Particulates (Total, Respirable)
Nitrogen Oxides	Metals
Sulfur Dioxide	

On a few occasions, carbon monoxide was observed to exceed the NRC recommended emergency and continuous exposure limit, which is 1500 ppm, for up to 40 minutes in tanks (M1 and M60). Carbon monoxide was observed to exceed 2000 ppm for shorter periods in all vehicles except the M3, where the peak level was 1300 ppm. Mean carbon monoxide concentrations ranged from 3.6 to 4.7 ppm in the non-tank vehicles (M3 and M109) and from 35 to 43 ppm in the tanks. With few exceptions, the maximum concentrations of all other pollutants in all vehicles were less than their respective threshold limit values and short-term emergency exposure levels.

The peak instantaneous concentrations of pollutants generated during weapon firing, and to which crewmen such as the ammunition loader are exposed, may exceed 500 times the average concentrations inside vehicles. These peak excursions are very localized and short-lived. Carbon monoxide, which is a major combustion product, is observed at statistically significantly higher mean and peak concentrations in tanks (M1; M60) compared to non-tank vehicles (M3; M109). All other pollutants are generally observed at higher levels in tanks than non-tank vehicles, although the statistical significance of this observation is affected by sample size and variability.

The rigor and complexity of field sampling in armored vehicles during firing exercises can be successfully dealt with if proper planning and careful limitation of the duration of sampling is followed. The use of sampling vests for breathing zone measurements is feasible although subject to failure due to the activity of the subject.



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APPENDIX C

SUMMARY OF DESCRIPTIVE STATISTICS (PROC TABULATE)

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CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109				CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC	
		# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX
POSITION DAY																	
COMMAND	1	5.0|2250.0	1.0	360.0	5.0	800.0	4.0	1030.0	5.0	1110.0	2.0	2060.0	22.0	2250.0			
	2	5.0|430.0	.	.	5.0	1290.0	.	.	5.0	2280.0	2.0	2280.0	17.0	2280.0			
	3	3.0|360.0	.	.	.	.	.	.	.	.	.	.	3.0	360.0			
	4	4.0|200.0	.	.	.	.	.	.	.	.	.	.	4.0	200.0			
	ALL	17.0|2250.0	1.0	360.0	10.0	1290.0	4.0	1030.0	10.0	2280.0	4.0	2280.0	46.0	2280.0			
DRIVER	DAY																
	1	4.0|920.0	1.0	30.0	4.0	220.0	4.0	580.0	5.0	880.0	4.0	830.0	22.0	920.0			
	2	5.0|1280.0	.	.	4.0	590.0	.	.	5.0	630.0	4.0	1280.0	18.0	1280.0			
	3	3.0|80.0	.	.	.	.	.	.	.	.	.	.	3.0	80.0			
	4	4.0|640.0	.	.	.	.	.	.	.	.	.	.	4.0	640.0			
LOADER	ALL	16.0|1280.0	1.0	30.0	8.0	590.0	4.0	580.0	10.0	880.0	8.0	1280.0	47.0	1280.0			
	DAY																
	1	4.0|410.0	2.0	240.0	5.0	170.0	4.0	2290.0	5.0	1090.0	3.0	2290.0	23.0	2290.0			
	2	4.0|460.0	.	.	5.0	1020.0	.	.	5.0	820.0	4.0	1740.0	18.0	1740.0			
	3	3.0|60.0	.	.	.	.	.	.	.	.	.	.	3.0	60.0			
ALL	4	4.0|160.0	.	.	.	.	.	.	.	.	.	.	4.0	160.0			
	ALL	15.0|460.0	2.0	240.0	10.0	1020.0	4.0	2290.0	10.0	1090.0	7.0	2290.0	48.0	2290.0			
	DAY																
	1	13.0|2250.0	4.0	360.0	14.0	800.0	12.0	2290.0	15.0	1110.0	9.0	2290.0	67.0	2290.0			
	2	14.0|1280.0	.	.	14.0	1290.0	.	.	15.0	2280.0	10.0	2280.0	53.0	2280.0			
ALL	3	9.0|360.0	.	.	.	.	.	.	.	.	.	.	9.0	360.0			
	4	12.0|640.0	.	.	.	.	.	.	.	.	.	.	12.0	640.0			

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL			
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC			
		# OF	# OF	# OF	# OF	# OF	# OF	# OF			
		VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.			
		MAX	MAX	MAX	MAX	MAX	MAX	MAX			
ALL	FALL	48.0	360.0	28.0	1290.0	12.0	12290.0	30.0	12280.0	19.0	12290.0
		141.0	12290.0								

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FOR & VEHICLE TYPE											
		SULL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMAND	1	5.0	440.0	3.0	2280.0	5.0	960.0	3.0	2280.0	4.0	750.0	3.0	2120.0
	2	5.0	540.0			5.0	970.0			4.0	1330.0	4.0	2200.0
	3	3.0	110.0										
	4	4.0	80.0										
	ALL	17.0	540.0	3.0	2280.0	10.0	970.0	3.0	2280.0	8.0	1330.0	7.0	2200.0
DRIVER	1												
	2	4.0	540.0	2.0	140.0	5.0	270.0	3.0	720.0	4.0	2260.0	2.0	1090.0
	3	4.0	480.0			5.0	510.0			4.0	570.0	3.0	1410.0
	4	2.0	110.0										
	ALL	13.0	540.0	2.0	140.0	10.0	510.0	3.0	720.0	8.0	2260.0	5.0	1410.0
GURNER	1												
	2												
	3												
	4												
	ALL												
LOADER	1												
	2												
	3												
	4												
	ALL												

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL		14.0	7.0	15.0	14.0	14.0	13.0	77.0	77.0	77.0	77.0	77.0	77.0
1		14.0	2280.0	15.0	960.0	14.0	2290.0	14.0	2260.0	13.0	2290.0	77.0	2290.0
2		14.0	680.0	15.0	970.0	15.0	2140.0	15.0	2310.0	15.0	2310.0	59.0	2310.0
3		8.0	330.0	15.0	970.0	15.0	2140.0	15.0	2310.0	15.0	2310.0	8.0	330.0
4		10.0	100.0	15.0	970.0	15.0	2140.0	15.0	2310.0	15.0	2310.0	10.0	100.0
ALL		46.0	2270.0	30.0	970.0	14.0	2290.0	29.0	2260.0	28.0	2310.0	154.0	2310.0

CONCENTRATION OF CARBON MONOXIDE (PPM)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		CARSON-M109				BENNING-M3				KROX-M60				KNOX-M1			
		FIRE CONC		FIRE CONC		FIRE CONC		FIRE CONC		FIRE CONC		FIRE CONC		FIRE CONC			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION/DAY																	
COMBAND	1	532.0	961.1	360.0		422.0	244.7	417.5	417.6	490.0	397.9	2030.0	42.4	615.9	673.9		
	2	240.0	145.8			190.0	475.8			11346.0	859.6	2280.0	0.0	967.1	825.8		
	3	163.3	171.0											163.3	171.0		
	4	85.0	79.4											85.0	79.4		
ALL		275.9	522.9	360.0		606.0	406.0	417.5	417.6	918.0	176.1	2155.0	146.4	670.0	733.8		
DRIVER	1 DAY																
	1	507.5	300.2	30.0		127.5	66.0	415.0	137.7	406.0	313.0	555.0	295.4	385.5	273.1		
	2	384.0	511.7			345.0	193.6			346.0	201.2	820.0	520.8	461.7	405.9		
	3	66.7	11.5											66.7	11.5		
ALL		240.0	270.4											240.0	270.4		
LOADER	1 DAY																
	1	220.0	139.3	135.0	148.5	108.0	41.5	1670.0	800.5	586.0	368.8	2166.7	196.6	773.9	855.5		
	2	217.5	174.8			480.0	343.2			610.0	261.9	1240.0	452.8	626.7	468.8		
	3	43.3	15.3											43.3	15.3		
ALL		70.0	66.8											70.0	66.8		
ALL	1 DAY																
	1	144.0	136.5	135.0	148.5	294.0	302.6	1670.0	800.5	598.0	301.8	1637.1	600.6	614.4	693.5		
	2	428.5	596.9	165.0	163.4	225.7	207.5	854.2	768.9	494.0	343.4	1420.0	847.8	594.5	661.9		
	3	285.0	316.4			552.1	389.3			767.3	658.9	1280.0	689.7	679.8	616.4		
ALL		91.1	102.2											91.1	102.2		
ALL	1 DAY																
	1	131.7	171.2											131.7	171.2		
	2	249.2	380.6	165.0	163.4	383.9	348.3	854.2	768.9	630.7	534.6	1346.3	750.0	555.0	621.6		
	3	249.2	380.6	165.0	163.4	383.9	348.3	854.2	768.9	630.7	534.6	1346.3	750.0	555.0	621.6		

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF PORT & VEHICLE TYPE											
POSITION	DAY	CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		FIRE CONC	STD	FIRE CONC	STD	FIRE CONC	STD	FIRE CONC	STD	FIRE CONC	STD	FIRE CONC	STD
COMMAND	1	160.0	158.3	856.7	1232.9	482.0	300.8	1686.7	520.0	655.0	102.5	1563.3	720.2
	2	274.0	164.3	.	640.0	199.5	.	1010.0	452.5	11640.0	945.3	842.8	687.7
	3	100.0	10.0	.	.	.	.	.	.	.	.	100.0	10.0
	4	57.5	20.6	.	.	.	.	.	.	.	.	57.5	20.6
	ALL	158.8	143.0	856.7	1232.9	561.0	254.6	1686.7	520.0	832.5	358.2	11607.1	788.3
DRIVER	1	197.5	229.8	75.0	91.9	170.0	97.0	586.7	173.9	1282.5	1137.7	11015.0	106.1
	2	260.0	159.0	.	264.0	144.7	.	.	420.0	147.2	746.7	603.5	392.5
	3	100.0	14.1	.	.	.	.	.	.	.	.	100.0	14.1
	4	76.7	25.2	.	.	.	.	.	.	.	.	76.7	25.2
	ALL	173.8	159.9	75.0	91.9	217.0	126.2	586.7	173.9	851.3	881.2	854.0	454.5
GUNNER	1	.	.	.	.	.	.	1762.5	276.5	97.5	549.0	1627.5	585.5
	2	.	.	.	.	.	.	.	.	387.5	214.7	11557.5	686.9
	3	.	.	.	.	.	.	.	.	.	.	.	.
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	1762.5	276.5	925.7	354.7	11592.5	592.1
LOADER	1	672.0	926.8	195.0	205.1	296.0	183.9	2177.5	141.7	580.0	108.2	2105.0	363.4
	2	348.0	214.6	.	516.0	255.0	.	.	1186.7	832.9	11857.5	404.0	900.6
	3	173.3	140.1	.	.	.	.	.	.	.	.	.	173.3
	4	40.0	26.5	.	.	.	.	.	.	.	.	.	40.0
	ALL	358.8	551.4	195.0	205.1	406.0	239.5	2177.5	141.7	883.3	626.6	11981.3	379.5
ALL	1	353.6	587.5	404.3	816.3	316.0	236.2	1612.9	646.4	887.1	661.5	11665.4	586.6
	2	.	.	.	.	.	.	.	.	.	.	.	901.9

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL									
		TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC									
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.									
		MAX	MAX	MAX	MAX	MAX	MAX	MAX									
POSITION DAY																	
COMMAND	1	5.0	18.0	1.0	16.0	5.0	10.0	4.0	70.0	5.0	71.0	2.0	60.0	22.0	71.0		
	2	5.0	10.0	.	.	5.0	9.0	.	.	5.0	103.0	2.0	70.0	17.0	103.0		
	3	3.0	8.0	.	.	.	.	.	.	.	.	.	.	3.0	8.0		
	4	4.0	2.0	.	.	.	.	.	.	.	.	.	.	4.0	2.0		
ALL		17.0	18.0	1.0	16.0	10.0	10.0	4.0	70.0	10.0	103.0	4.0	70.0	46.0	103.0		
DRIVER DAY																	
1	1	4.0	8.0	1.0	0.0	4.0	3.0	4.0	40.0	5.0	113.0	4.0	20.0	22.0	113.0		
	2	5.0	16.0	.	.	4.0	10.0	.	.	5.0	94.0	4.0	30.0	18.0	94.0		
	3	3.0	2.0	.	.	.	.	.	.	.	.	.	.	3.0	2.0		
	4	4.0	4.0	.	.	.	.	.	.	.	.	.	.	4.0	4.0		
ALL		16.0	16.0	1.0	0.0	8.0	10.0	4.0	40.0	10.0	113.0	8.0	30.0	47.0	113.0		
LOADER DAY																	
1	1	4.0	7.0	2.0	4.0	5.0	4.0	4.0	90.0	5.0	77.0	3.0	60.0	23.0	90.0		
	2	4.0	8.0	.	.	5.0	11.0	.	.	5.0	80.0	4.0	40.0	18.0	80.0		
	3	3.0	2.0	.	.	.	.	.	.	.	.	.	.	3.0	2.0		
	4	4.0	2.0	.	.	.	.	.	.	.	.	.	.	4.0	2.0		
ALL		15.0	8.0	2.0	4.0	10.0	11.0	4.0	90.0	10.0	80.0	7.0	60.0	48.0	90.0		
ALL DAY																	
1	1	13.0	18.0	4.0	16.0	14.0	10.0	12.0	90.0	15.0	113.0	9.0	60.0	67.0	113.0		
	2	14.0	16.0	.	.	14.0	11.0	.	.	15.0	103.0	10.0	70.0	53.0	103.0		
	3	9.0	8.0	.	.	.	.	.	.	.	.	.	.	9.0	8.0		
	4	12.0	4.0	.	.	.	.	.	.	.	.	.	.	12.0	4.0		

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE										
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-F160	KNOX-M1					ALL
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC				TOTCONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	FALL	48.0	18.0	4.0	16.0	28.0	11.0	12.0	90.0	30.0	113.0	19.0
												70.0
												141.0
												113.0

CONCENTRATION OF CARBON MONOXIDE (PPM)

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SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
ALL		DAY											
1	14.0	20.0	7.0	13.0	15.0	14.0	100.0	14.0	83.0	13.0	590.0	77.0	590.0
2	14.0	9.0	.1	15.0	15.0	.1	.1	15.0	108.0	15.0	60.0	59.0	108.0
3	8.0	13.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	8.0	13.0
4	10.0	4.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	10.0	4.0
ALL	46.0	20.0	7.0	13.0	30.0	15.0	14.0	100.0	29.0	108.0	28.0	154.0	590.0

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF PORT & VEHICLE TYPE													
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY															
COMMAND	1	5.4	7.1	16.0		4.4	3.2	27.5	29.9	31.2	25.9	50.0	14.1	19.6	22.6
	2	5.8	2.8			6.8	2.3			49.0	41.4	50.0	28.3	24.0	30.9
	3	5.0	3.6											5.0	3.6
	4	1.3	0.5											1.3	0.5
	ALL	4.5	4.4	16.0		5.6	2.9	27.5	29.9	40.1	33.9	50.0	18.3	18.7	25.1
DRIVER	1	4.5	2.6	0.0		2.0	0.8	25.0	10.0	38.6	43.8	15.0	5.8	17.2	24.4
	2	6.8	5.6			5.8	3.1			35.6	41.1	12.5	12.6	15.8	24.5
	3	1.0	1.0											1.0	1.0
	4	1.8	1.5											1.8	1.5
	ALL	3.9	4.0	0.0		3.9	2.9	25.0	10.0	37.1	40.1	13.8	9.2	14.3	22.9
LOADER	1	3.3	2.6	2.0	2.8	1.8	1.3	45.0	31.1	32.0	28.2	33.3	25.2	20.3	25.7
	2	5.0	3.2			7.4	2.9			31.0	31.6	22.5	12.6	16.8	19.8
	3	1.7	0.6											1.7	0.6
	4	0.8	1.0											0.8	1.0
	ALL	2.7	2.6	2.0	2.8	4.6	3.6	45.0	31.1	31.5	28.3	27.1	18.0	16.2	22.2
ALL	1	4.5	4.6	5.0	7.6	2.8	2.3	32.5	24.9	33.9	31.3	28.9	20.3	19.0	24.0
	2	5.9	3.9			6.7	2.6			38.5	36.3	24.0	20.1	18.8	25.1
	3	2.6	2.7											2.6	2.7
	4	1.3	1.1											1.3	1.1
	ALL	3.7	3.8	5.0	7.6	4.8	3.1	32.5	24.9	36.2	33.4	26.3	19.8	16.4	23.3

CONCENTRATION OF CARBON MONOXIDE (PPM)

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SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109		CARSON-M109		BLNNG-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		TOICONC		TOICONC		TOICONC		TOICONC		TOICONC		TOICONC		TOICONC			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION		DAY															
COMMAND	1	2.2	1.9	5.7	6.7	2.8	1.9	30.0	26.5	28.5	26.4	33.3	20.8	15.0	19.9		
	2	5.0	2.8	.	.	5.0	1.6	.	.	14.8	8.5	22.5	22.2	11.1	12.6		
	3	2.0	2.6	.	.	.	.	.	.	.	.	.	.	2.0	2.6		
	4	0.5	1.0	.	.	.	.	.	.	.	.	.	.	0.5	1.0		
	ALL	2.6	2.6	5.7	6.7	3.9	2.0	30.0	26.5	21.6	19.6	27.1	20.6	11.5	16.3		
DRIVER	DAY																
	1	4.0	6.2	2.0	2.8	3.6	5.4	43.3	5.8	30.0	25.7	30.0	14.1	17.4	20.0		
	2	5.3	3.3	.	.	7.4	5.5	.	.	42.0	43.9	16.7	20.8	17.3	26.2		
	3	4.0	2.8	.	.	.	.	.	.	.	.	.	.	4.0	2.8		
	4	2.0	2.0	.	.	.	.	.	.	.	.	.	.	2.0	2.0		
GUNNER	ALL	3.9	3.9	2.0	2.8	5.5	5.5	43.3	5.8	36.0	33.9	22.0	17.9	15.6	21.7		
	DAY																
	1	.	.	.	.	.	.	42.5	20.6	39.7	37.5	42.5	22.2	41.7	23.6		
	2	.	.	.	.	.	.	.	.	46.3	44.1	25.0	26.5	35.6	35.6		
	ALL	.	.	.	.	.	.	42.5	20.6	43.4	38.2	33.8	24.5	39.2	28.5		
LOADER	DAY																
	1	5.8	8.0	2.5	3.5	3.2	2.2	67.5	33.0	43.3	21.0	202.5	259.5	54.8	121.7		
	2	4.4	2.6	.	.	5.4	1.9	.	.	32.7	40.1	30.0	14.1	15.7	20.5		
	3	4.7	7.2	.	.	.	.	.	.	.	.	.	.	4.7	7.2		
	4	0.7	0.6	.	.	.	.	.	.	.	.	.	.	0.7	0.6		
JALL	ALL	4.2	5.4	2.5	3.5	4.3	2.3	67.5	33.0	38.0	29.2	116.3	193.5	33.5	88.7		
	DAY																
	1	4.0	5.7	3.7	4.6	3.2	3.3	47.1	25.8	34.5	25.3	87.7	153.0	31.3	69.9		

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC							
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY														
	2	4.9	2.7			5.9	3.4			34.0	35.3	24.0	19.6	17.4	23.5
	3	3.5	4.4											3.5	4.4
	4	1.0	1.3											1.0	1.3
	ALL	3.5	4.1	3.7	4.6	4.6	3.6	47.1	25.8	34.2	30.3	53.6	108.0	22.6	52.3

CONCENTRATION OF CARBON DIOXIDE (PPM)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORI & VEHICLE TYPE																											
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC			
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX						
POSITION DAY																													
COMMAND	1	3.0	1240.0	2.0	1130.0	3.0	1640.0	2.0	402.0	2.0	3140.0	3.0	886.0	15.0	3140.0														
	2	2.0	672.0	.1	1.0	1580.0	.1			2.0	5710.0	2.0	586.0	7.0	5710.0														
	3	2.0	903.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	903.0														
	4	2.0	1110.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1110.0														
	ALL	9.0	1240.0	2.0	1130.0	4.0	1640.0	2.0	402.0	4.0	5710.0	5.0	886.0	26.0	5710.0														
DRIVER																													
1	1	3.0	890.0	2.0	1290.0	3.0	1860.0	2.0	326.0	3.0	3720.0	2.0	1120.0	15.0	3720.0														
	2	2.0	424.0	.1	.1	2.0	1250.0	.1		2.0	4150.0	2.0	420.0	8.0	4150.0														
	3	1.0	658.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0	658.0														
	4	2.0	751.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	751.0														
	ALL	8.0	890.0	2.0	1290.0	5.0	1860.0	2.0	326.0	5.0	4150.0	4.0	1120.0	26.0	4150.0														
LOADER																													
1	1	3.0	976.0	2.0	1100.0	2.0	1840.0	2.0	317.0	3.0	3540.0	1.0	590.0	13.0	3540.0														
	2	2.0	323.0	.1	.1	2.0	1550.0	.1		2.0	3090.0	2.0	339.0	8.0	3090.0														
	3	1.0	683.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0	683.0														
	4	2.0	848.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	848.0														
	ALL	8.0	976.0	2.0	1100.0	4.0	1840.0	2.0	317.0	5.0	3540.0	3.0	590.0	24.0	3540.0														
DAY																													
ALL	1	9.0	1240.0	6.0	1290.0	8.0	1860.0	6.0	402.0	8.0	3720.0	6.0	1120.0	43.0	3720.0														
	2	6.0	672.0	.1	.1	5.0	1580.0	.1		6.0	5710.0	6.0	586.0	23.0	5710.0														
	3	4.0	903.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.0	903.0														
	4	6.0	1110.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.0	1110.0														
	ALL	24.0	1240.0	13.0	1290.0	19.0	1860.0	13.0	402.0	19.0	3720.0	15.0	1120.0	86.0	3720.0														

(CONTINUED)

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CONCENTRATION OF CARBON DIOXIDE (PPM)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		FIRE CONC		FIRE CONC		FIRE CONC		FIRE CONC		FIRE CONC		FIRE CONC		FIRE CONC			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION	DAY																
COMMAND	1	1144.3	148.7	954.0	248.9	1373.3	260.3	259.0	202.2	3125.0	21.2	759.7	112.6	1233.9	856.7		
	2	459.5	300.5	.	.	1580.0	.	.	.	3735.0	2793.1	453.0	188.1	1553.6	1926.2		
	3	757.5	205.8	.	.	.	.	.	.	.	.	.	.	757.5	205.8
	4	819.5	410.8	.	.	.	.	.	.	.	.	.	.	819.5	410.8
	ALL	834.0	340.4	954.0	248.9	1425.0	236.3	259.0	202.2	3430.0	1650.6	637.0	208.3	1251.4	1170.5		
DRIVER	1	728.0	148.3	1165.0	176.8	1763.3	95.0	307.5	26.2	3193.3	458.8	1085.0	49.5	1477.9	1018.4		
	2	420.0	5.7	.	.	1245.0	7.1	.	.	3990.0	226.3	394.5	36.1	1512.4	1574.7		
	3	658.0	.	.	.	.	.	.	.	.	.	.	.	658.0	.
	4	652.5	139.3	.	.	.	.	.	.	.	.	.	.	652.5	139.3
	ALL	623.4	161.2	1165.0	176.8	1556.0	291.8	307.5	26.2	3512.0	555.4	739.8	400.2	1393.5	1162.0		
LOADER	1	902.7	86.7	1070.0	42.4	1760.0	113.1	283.0	48.1	2983.3	773.6	590.0	.	1421.1	1045.4		
	2	260.5	88.4	.	.	1275.0	388.9	.	.	12475.0	869.7	305.5	47.4	1079.0	1030.2		
	3	683.0	.	.	.	.	.	.	.	.	.	.	.	683.0	.
	4	701.0	207.9	.	.	.	.	.	.	.	.	.	.	701.0	207.9
	ALL	664.3	284.3	1070.0	42.4	1517.5	364.8	283.0	48.1	2780.0	752.2	400.3	167.6	1216.3	980.2		
ALL	1	925.0	213.7	1063.0	167.1	1616.3	253.4	283.2	96.2	3097.5	490.9	839.8	214.3	1375.6	956.1		
	2	380.0	168.9	.	.	1324.0	241.9	.	.	13400.0	1499.4	384.3	110.4	1374.2	1479.0		
	3	714.0	129.4	.	.	.	.	.	.	.	.	.	.	714.0	129.4
	4	724.3	228.4	.	.	.	.	.	.	.	.	.	.	724.3	228.4
	ALL	712.3	280.6	1063.0	167.1	1503.8	280.8	283.2	96.2	3227.1	1009.2	612.1	288.1	1288.9	1098.8		

CONCENTRATION OF CARBON DIOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE															
		STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY															
COMMAND															
	1	3.0	778.0	2.0	640.0	3.0	660.0	2.0	659.0	2.0	959.0	3.0	915.0	15.0	959.0
	2	2.0	694.0	.	.	1.0	658.0	.	.	2.0	769.0	2.0	832.0	7.0	832.0
	3	2.0	678.0	.	.	.	.	.	.	.	.	.	.	2.0	678.0
	4	2.0	1150.0	.	.	.	.	.	.	.	.	.	.	2.0	1150.0
ALL		9.0	1150.0	2.0	640.0	4.0	660.0	2.0	659.0	4.0	959.0	5.0	915.0	26.0	1150.0
DRIVER															
	1	3.0	646.0	2.0	728.0	3.0	795.0	2.0	595.0	3.0	1100.0	2.0	1180.0	15.0	1180.0
	2	2.0	575.0	.	.	2.0	667.0	.	.	2.0	733.0	2.0	685.0	8.0	733.0
	3	1.0	583.0	.	.	.	.	.	.	.	.	.	.	1.0	583.0
	4	2.0	880.0	.	.	.	.	.	.	.	.	.	.	2.0	880.0
ALL		8.0	880.0	2.0	728.0	5.0	795.0	2.0	595.0	5.0	1100.0	4.0	1180.0	26.0	1180.0
LOADER															
	1	3.0	675.0	2.0	673.0	2.0	751.0	2.0	575.0	3.0	1270.0	1.0	806.0	13.0	1270.0
	2	2.0	507.0	.	.	2.0	650.0	.	.	2.0	568.0	2.0	616.0	8.0	650.0
	3	1.0	589.0	.	.	.	.	.	.	.	.	.	.	1.0	589.0
	4	2.0	960.0	.	.	.	.	.	.	.	.	.	.	2.0	960.0
ALL		8.0	960.0	2.0	673.0	4.0	751.0	2.0	575.0	5.0	1270.0	3.0	806.0	24.0	1270.0
ALL															
	1	9.0	178.0	6.0	728.0	8.0	795.0	6.0	659.0	8.0	1270.0	6.0	1180.0	43.0	1270.0
	2	6.0	694.0	.	.	5.0	667.0	.	.	6.0	769.0	6.0	832.0	23.0	832.0
	3	4.0	678.0	4.0	678.0
	4	6.0	1150.0	6.0	1150.0

CONCENTRATION OF CARBON DIOXIDE (PPM)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF LOT & VEHICLE TYPE									
		S111-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL			
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
FALL	FALL	25.0|1150.0|	6.0| 728.0|	13.0| 795.0|	6.0| 659.0|	14.0|1270.0|	12.0|1180.0|	16.0|1270.0|			

CONCENTRATION OF CARBON DIOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		TOICONG	TOICONG	TOICONG	TOICONG	TOICONG	TOICONG	TOICONG	TOICONG	TOICONG	TOICONG	TOICONG	TOICONG
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	743.7	57.7	527.5	159.1	634.0	25.1	539.5	169.0	925.0	48.1	864.3	53.7
	2	558.0	192.3			658.0				642.0	179.6	716.0	164.0
	3	623.5	77.1										623.5
	4	906.0	345.1										906.0
	ALL	711.8	196.9	527.5	159.1	640.0	23.7	539.5	169.0	783.5	195.5	805.0	121.5
DRIVER	DAY												
	1	592.3	48.7	671.5	79.9	727.7	64.7	574.5	29.0	1005.3	83.0	1125.0	77.8
	2	565.5	13.4			626.5	57.3			691.5	58.7	665.5	27.6
	3	583.0											583.0
	4	779.0	142.8										779.0
LOADER	DAY												
	1	653.7	29.5	644.0	41.0	725.0	36.8	555.0	28.3	987.7	294.1	806.0	736.8
	2	453.0	76.4			627.5	31.8			546.5	30.4	589.5	37.5
	3	589.0											589.0
	4	819.0	199.4										819.0
ALL	DAY												
	1	663.2	171.4	614.3	106.5	691.9	62.2	556.3	79.3	978.6	167.9	941.5	151.9
	2	525.5	108.5			633.2	35.6			626.7	108.0	657.0	95.2
	3	604.8	49.5										604.8
	4	834.7	198.0										834.7
ALL	DAY												
	1	662.0	159.9	614.3	106.5	669.3	59.7	556.3	79.3	827.8	228.8	799.3	191.5
	2												
	3												
	4												

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF	# OF	# OF	# OF	# OF	# OF						
		VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.						
		MAX	MAX	MAX	MAX	MAX	MAX						
POSITION	DAY												
COMMAND	1	2.0	259.0	2.0	291.0	2.0	67.0	2.0	701.0	2.0	226.0	10.0	701.0
	2	3.0	195.0	3.0	238.0	.	.	3.0	6120.0	2.0	105.0	11.0	6120.0
	3	2.0	247.0	.	.	.	.	.	.	.	.	2.0	247.0
	4	2.0	399.0	.	.	.	.	.	.	.	.	2.0	399.0
ALL		9.0	399.0	5.0	291.0	2.0	67.0	5.0	6120.0	4.0	226.0	25.0	6120.0
DRIVER	DAY												
	1	2.0	334.0	2.0	430.0	2.0	44.4	2.0	540.0	2.0	111.0	10.0	540.0
	2	3.0	195.0	3.0	215.0	.	.	3.0	927.0	2.0	77.3	11.0	927.0
	3	2.0	277.0	.	.	.	.	.	.	.	.	2.0	277.0
	4	2.0	258.0	.	.	.	.	.	.	.	.	2.0	258.0
ALL		9.0	334.0	5.0	430.0	2.0	44.4	5.0	927.0	4.0	111.0	25.0	927.0
LOADER	DAY												
	1	2.0	334.0	2.0	396.0	2.0	46.1	2.0	1090.0	2.0	131.0	10.0	1090.0
	2	2.0	195.0	3.0	252.0	.	.	3.0	1070.0	2.0	64.9	10.0	1070.0
	3	2.0	321.0	.	.	.	.	.	.	.	.	2.0	321.0
	4	2.0	599.0	.	.	.	.	.	.	.	.	2.0	599.0
ALL		8.0	599.0	5.0	396.0	2.0	46.1	5.0	1090.0	4.0	131.0	24.0	1090.0
ALL	DAY												
	1	6.0	334.0	6.0	430.0	6.0	67.0	6.0	1090.0	6.0	226.0	30.0	1090.0
	2	8.0	195.0	9.0	252.0	.	.	9.0	6120.0	6.0	105.0	32.0	6120.0
	3	6.0	321.0	.	.	.	.	.	.	.	.	6.0	321.0
	4	6.0	599.0	.	.	.	.	.	.	.	.	6.0	599.0

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

14

SAMPLE TYPE BREATHING ZONE

COMBINATION OF TORI & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION		DAY											
COMMAND		2.0	208.0	2.0	288.0	2.0	43.6	2.0	584.0	2.0	150.0	10.0	584.0
	1												
	2	3.0	187.0	3.0	214.0	.	.	2.0	520.0	2.0	108.0	10.0	520.0
	3	2.0	301.0	.	.	.	.	.	.	.	.	2.0	301.0
	4	2.0	85.0	.	.	.	.	.	.	.	.	2.0	85.0
ALL		9.0	301.0	5.0	288.0	2.0	43.6	4.0	584.0	4.0	150.0	24.0	584.0
DRIVER													
	1	2.0	362.0	2.0	353.0	2.0	44.7	2.0	525.0	2.0	113.0	10.0	525.0
	2	3.0	188.0	3.0	390.0	.	.	2.0	485.0	2.0	78.3	10.0	485.0
	3	2.0	608.0	.	.	.	.	.	.	.	.	2.0	608.0
	4	2.0	181.0	.	.	.	.	.	.	.	.	2.0	181.0
ALL		9.0	608.0	5.0	390.0	2.0	44.7	4.0	525.0	4.0	113.0	24.0	608.0
GUNNER													
	1	.	.	.	2.0	88.8	2.0	579.0	2.0	113.0	6.0	579.0	
	2	.	.	.	.	.	.	1.0	676.0	2.0	64.8	3.0	676.0
	3	.	.	.	.	.	.	.	.	.	.	2.0	608.0
	4	.	.	.	.	.	.	.	.	.	.	2.0	181.0
ALL		9.0	608.0	5.0	390.0	2.0	44.7	4.0	525.0	4.0	113.0	24.0	608.0
LOADER													
	1	2.0	601.0	2.0	282.0	2.0	49.4	2.0	915.0	2.0	113.0	10.0	915.0
	2	2.0	204.0	3.0	199.0	.	.	2.0	2900.0	2.0	352.0	9.0	2900.0
	3	2.0	664.0	.	.	.	.	.	.	.	.	2.0	664.0
	4	2.0	71.6	.	.	.	.	.	.	.	.	2.0	71.6
ALL		8.0	664.0	5.0	282.0	2.0	49.4	4.0	2900.0	4.0	352.0	23.0	2900.0

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC				
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	DAY										
	1	6.0	601.0	6.0	353.0	8.0	88.8	8.0	915.0	8.0	150.0
	2	8.0	204.0	9.0	390.0	.	.	7.0	2900.0	8.0	352.0
	3	6.0	664.0	.	.	.	.	.	.	.	6.0
	4	6.0	181.0	.	.	.	.	.	.	.	6.0
	ALL	26.0	664.0	15.0	390.0	8.0	88.8	15.0	2900.0	16.0	352.0
											80.0
											2900.0

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	233.5	36.1	267.0	33.9	56.4	15.0	629.0	101.8	148.3	109.8	266.8	212.5
	2	178.3	18.8	197.3	38.7			13723.3	2188.8	90.1	21.1	1134.3	1930.1
	3	228.0	26.9									228.0	26.9
	4	311.5	123.7									311.5	123.7
ALL		231.2	70.1	225.2	49.9	56.4	15.0	2485.6	2295.8	119.2	72.8	649.0	1327.7
DRIVER	DAY												
	1	305.0	41.0	351.0	111.7	40.9	4.9	494.0	65.1	93.0	25.4	256.8	182.8
	2	171.3	22.2	199.3	15.5			765.3	208.5	68.7	12.1	322.3	303.3
	3	249.0	39.6									249.0	39.6
LOADER	DAY												
	1	279.0	77.8	319.0	108.9	38.4	10.8	843.5	348.6	122.0	12.7	320.4	321.1
	2	176.5	26.2	191.7	53.1			792.7	296.6	54.1	15.2	341.4	346.4
	3	299.5	30.4									299.5	30.4
ALL		290.8	138.7	242.6	96.1	38.4	10.8	813.0	274.1	88.1	40.8	334.7	302.0
ALL	DAY												
	1	272.5	53.4	312.3	80.8	45.3	12.2	655.5	228.2	121.1	56.4	281.3	239.2
	2	175.3	18.7	196.1	33.9			11760.4	1843.4	71.0	20.6	607.4	1190.1
	3	258.8	41.5									258.8	41.5
ALL		250.6	93.8	242.6	80.4	45.3	12.2	1318.5	1508.1	96.1	48.2	423.7	807.5

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION	DAY																								
COMMAND	1	202.5	7.8	271.5	23.3	39.9	5.2	557.0	38.2	131.5	26.2	240.5	186.2												
	2	181.0	5.6	188.3	22.9			503.5	23.3	78.3	42.1	227.1	153.3												
	3	185.3	163.7										185.3	163.7											
	4	68.9	22.7																						
	ALL	161.8	79.2	221.6	49.7	39.9	5.2	530.3	40.3	104.9	42.0	216.0	161.9												
DRIVER	1	279.5	116.7	291.5	87.0	38.2	9.1	494.0	43.8	93.1	28.1	239.3	178.3												
	2	173.0	16.7	251.3	120.4			462.5	31.8	66.2	17.1	233.0	150.4												
	3	409.0	281.4									409.0	281.4												
	4	125.9	77.9																						
	ALL	238.6	157.8	267.4	98.1	38.2	9.1	478.3	36.2	79.7	24.5	241.4	169.2												
GUNNER	1					58.5	42.9	545.0	48.1	96.6	23.2	233.4	243.9												
	2							676.0		60.5	6.1	265.7	355.4												
	ALL					58.5	42.9	588.7	82.9	78.5	25.0	244.1	262.7												
	DAY																								
	LOADER	1	399.0	285.7	260.0	31.1	38.4	15.5	733.5	256.7	95.0	25.4	305.2	292.2											
	2	181.0	32.5	182.0	17.5			11671.0	1738.1	206.1	206.3	518.0	900.3												
	3	383.0	397.4									383.0	397.4												
	4	68.7	4.0									68.7	4.0												
	ALL	257.9	237.6	213.2	47.1	38.4	15.5	1202.3	1149.7	150.6	136.1	374.7	596.6												
	DAY																								
1	293.7	164.0	274.3	44.9	43.8	19.9	582.4	139.9	104.1	25.8	256.9	220.2													

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

20

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	FIRECONC	MEAN	STD	FIRECONC	MEAN	STD	FIRECONC	MEAN	STD	FIRECONC	MEAN	STD
ALL	178.0	16.0	207.2	70.2	.	.	850.0	907.5	102.8	102.5	314.4	497.6
2	325.8	254.5	.	.	.	.	.	.	.	.	325.8	254.5
3	87.9	46.8	.	.	.	.	.	.	.	.	87.9	46.8
4	218.0	166.1	234.1	68.5	43.8	19.9	707.3	617.9	103.4	72.2	272.4	355.6
ALL	218.0	166.1	234.1	68.5	43.8	19.9	707.3	617.9	103.4	72.2	272.4	355.6

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND													
1		2.0	86.1	2.0	54.0	2.0	52.5	2.0	146.0	2.0	151.0	10.0	151.0
2		3.0	104.0	3.0	107.0			3.0	1880.0	2.0	74.6	11.0	1880.0
3		2.0	76.9									2.0	76.9
4		2.0	277.0									2.0	277.0
ALL		9.0	277.0	5.0	107.0	2.0	52.5	5.0	1880.0	4.0	151.0	25.0	1880.0
DRIVER													
1		2.0	114.0	2.0	95.6	2.0	35.1	2.0	95.3	2.0	74.5	10.0	114.0
2		3.0	104.0	3.0	123.0			3.0	419.0	2.0	54.3	11.0	419.0
3		2.0	85.7									2.0	85.7
4		2.0	178.0									2.0	178.0
ALL		9.0	178.0	5.0	123.0	2.0	35.1	5.0	419.0	4.0	74.5	25.0	419.0
LOADER													
1		2.0	92.9	2.0	59.8	2.0	36.9	2.0	222.0	2.0	95.1	10.0	222.0
2		2.0	104.0	3.0	101.0			3.0	414.0	2.0	45.9	10.0	414.0
3		2.0	97.9									2.0	97.9
4		2.0	412.0									2.0	412.0
ALL		8.0	412.0	5.0	101.0	2.0	36.9	5.0	414.0	4.0	95.1	24.0	414.0
ALL													
1		6.0	114.0	6.0	95.6	6.0	52.5	6.0	222.0	6.0	151.0	30.0	222.0
2		8.0	104.0	9.0	123.0			9.0	1880.0	6.0	74.6	32.0	1880.0
3		6.0	97.9									6.0	97.9
4		6.0	412.0									6.0	412.0

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

2

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
ALL	JAIL	26.0	412.0	15.0	123.0	6.0	52.5	15.0	1880.0	12.0	151.0	74.0	1880.0

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND	1	2.0	81.7	2.0	56.6	2.0	36.2	2.0	133.0	2.0	122.0	10.0	133.0
	2	3.0	127.0	3.0	120.0			2.0	243.0	2.0	76.2	10.0	243.0
	3	2.0	143.0									2.0	143.0
	4	2.0	59.5									2.0	59.5
	ALL	9.0	143.0	5.0	120.0	2.0	36.2	4.0	243.0	4.0	122.0	24.0	243.0
DRIVER	1 DAY												
	1	2.0	90.6	2.0	70.6	2.0	36.5	2.0	102.0	2.0	75.4	10.0	102.0
	2	3.0	127.0	3.0	127.0			2.0	243.0	2.0	55.0	10.0	243.0
	3	2.0	279.0									2.0	279.0
	4	2.0	131.0									2.0	131.0
GUNNER	ALL	9.0	279.0	5.0	127.0	2.0	36.5	4.0	243.0	4.0	75.4	24.0	279.0
	1 DAY												
	1					2.0	72.0	2.0	111.0	2.0	75.4	6.0	111.0
	2							1.0	208.0	2.0	45.5	3.0	208.0
	ALL					2.0	72.0	3.0	208.0	4.0	75.4	9.0	208.0
LOADER	1 DAY												
	1	2.0	153.0	2.0	56.4	2.0	39.9	2.0	215.0	2.0	75.4	10.0	215.0
	2	2.0	117.0	3.0	122.0			2.0	892.0	2.0	248.0	9.0	892.0
	3	2.0	303.0									2.0	303.0
	4	2.0	51.8									2.0	51.8
ALL	ALL	8.0	303.0	5.0	122.0	2.0	39.9	4.0	892.0	4.0	248.0	23.0	892.0

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF TURT & VEHICLE TYPE														ALL			
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		TOTCONC		TOTCONC				TOTCONC	
		TOTCONC		TOTCONC		TOTCONC		TOTCONC											
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION DAY																			
COMMAND	1	72.5	19.2	49.1	6.9	44.3	11.5	98.6	67.0	101.3	70.4	73.2	41.7						
	2	95.9	12.3	65.0	36.4			1210.3	935.9	63.7	15.4	385.6	675.5						
	3	72.0	6.9									72.0	6.9						
	4	219.5	81.3									219.5	81.3						
	ALL	112.9	68.5	58.7	27.4	44.3	11.5	765.7	899.9	82.5	46.9	222.2	463.0						
DRIVER																			
1	1	96.3	25.1	68.3	38.6	32.0	4.3	72.6	32.0	64.6	14.0	66.8	29.0						
	2	88.9	13.8	69.4	46.6			248.3	191.8	48.4	8.3	119.7	121.9						
	3	76.7	12.7									76.7	12.7						
	4	172.0	8.5									172.0	8.5						
	ALL	106.3	39.9	68.9	38.2	32.0	4.3	178.0	167.0	56.5	13.2	99.3	87.3						
LOADER																			
1	1	85.7	10.2	56.7	4.3	0.5	9.1	138.8	117.7	85.2	13.9	79.4	55.0						
	2	94.1	13.9	62.4	34.1			260.3	198.0	38.2	10.9	123.3	135.3						
	3	93.6	6.0									93.6	6.0						
	4	284.5	180.3									284.5	180.3						
	ALL	139.5	112.8	60.1	24.4	30.5	9.1	211.7	165.8	61.7	29.0	116.0	113.5						
ALL																			
1	1	84.8	18.2	58.1	19.6	35.6	9.6	103.3	69.0	83.7	36.6	73.1	42.1						
	2	92.8	11.7	65.6	34.3			573.0	683.0	50.1	14.7	212.2	416.6						
	3	80.8	12.3									80.8	12.3						
	4	225.3	101.9									225.3	101.9						
	ALL	118.8	76.0	62.6	28.7	35.6	9.6	385.1	570.1	66.9	31.8	146.2	283.0						

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

8

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMAND	1	67.1	20.6	50.0	9.3	32.7	4.9	91.8	58.3	98.7	33.0	68.1	35.2
	2	105.2	20.0	66.1	46.7			201.5	58.7	55.2	29.6	102.7	64.6
	3	88.4	77.2									88.4	77.2
	4	48.9	15.0									48.9	15.0
	ALL	80.5	38.3	59.7	34.5	32.7	4.9	146.6	79.4	77.0	35.8	82.6	52.5
DRIVER DAY													
1	1	86.1	6.3	60.8	13.9	31.0	7.7	75.8	37.1	67.4	11.2	64.2	24.2
	2	101.2	25.7	80.3	44.9			189.0	76.4	46.6	11.9	101.6	61.5
	3	190.0	125.9									190.0	125.9
	4	90.3	57.6									90.3	57.6
	ALL	115.2	66.3	72.5	34.2	31.0	7.7	132.4	81.7	57.0	15.3	92.5	61.2
GUNNER DAY													
1	1					47.3	34.9	83.3	39.1	70.2	7.3	67.0	28.7
	2							208.0		42.6	4.0	97.8	95.5
	3												
	4					47.3	34.9	124.9	77.1	56.4	16.6	77.2	55.1
	ALL												
LOADER DAY													
1	1	117.3	50.4	54.7	2.4	31.0	12.6	133.8	114.9	69.0	9.1	81.2	58.6
	2	97.0	28.3	65.4	49.1			556.5	4/4.5	145.3	145.2	199.3	271.0
	3	176.7	178.6									176.7	178.6
	4	48.9	4.0									48.9	4.0
	ALL	110.0	86.2	61.1	35.2	31.0	12.6	345.1	372.8	107.1	94.9	132.9	182.8
ALL DAY													
1	1	90.2	33.4	55.2	8.9	35.5	16.2	96.2	58.0	76.3	19.6	70.5	38.9

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																																			
		SILL-M109						BENNING-M3						KNOX-M60						CARSON-M60						KNOX-M1						ALL					
		TOICONC						TOICONC						TOICONC						TOICONC						TOICONC						TOICONC					
		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD					
ALL	DAY																																				
	2	101.7	20.7	70.6	41.3									300.3	264.1	72.4	72.2	129.1	154.4																		
	3	151.7	114.8																							151.7	114.8										
	4	62.7	34.2																																		
	ALL	101.6	64.9	64.4	32.6	35.5	16.2	191.4	206.6	74.4	51.1	99.4	109.5																								

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMAND	1	2.0	142.0	2.0	360.0	2.0	226.0	2.0	1120.0	2.0	311.0	10.0	1120.0
	2	2.0	190.0	2.0	411.0			2.0	1090.0	2.0	1280.0	8.0	1280.0
	3	2.0	96.6									2.0	96.6
	4	2.0	108.0									2.0	108.0
	ALL	8.0	190.0	4.0	411.0	2.0	226.0	4.0	1120.0	4.0	1280.0	22.0	1280.0
DRIVER DAY													
	1	2.0	193.0	2.0	400.0	2.0	102.0	2.0	1110.0	2.0	311.0	10.0	1110.0
	2	2.0	187.0	2.0	402.0			2.0	1170.0	2.0	919.0	8.0	1170.0
	3	2.0	122.0									2.0	122.0
	4	2.0	90.9									2.0	90.9
	ALL	8.0	193.0	4.0	402.0	2.0	102.0	4.0	1170.0	4.0	919.0	22.0	1170.0
LOADER DAY													
	1	2.0	73.2	2.0	398.0	2.0	177.0	2.0	1190.0	2.0	311.0	10.0	1190.0
	2	2.0	182.0	2.0	494.0			2.0	1070.0	2.0	216.0	8.0	1070.0
	3	2.0	94.7									2.0	94.7
	4	2.0	108.0									2.0	108.0
	ALL	8.0	182.0	4.0	494.0	2.0	177.0	4.0	1190.0	4.0	311.0	22.0	1190.0
ALL DAY													
	1	6.0	193.0	6.0	400.0	6.0	226.0	6.0	1190.0	6.0	311.0	30.0	1190.0
	2	6.0	190.0	6.0	494.0			6.0	1170.0	6.0	1280.0	24.0	1280.0
	3	6.0	122.0									6.0	122.0
	4	6.0	108.0									6.0	108.0

(CONTINUED)

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORI & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC				
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.				
		MAX	MAX	MAX	MAX	MAX	MAX				
ALL	JALL	193.01	12.01	494.01	6.01	226.01	12.01	1190.01	12.01	1280.01	66.01

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

11

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	93.3	68.9	349.5	14.8	174.5	72.8	1095.0	35.4	259.0	73.5	394.3	382.6
	2	151.0	55.2	309.5	143.5			895.5	275.1	864.0	588.3	555.0	433.5
	3	92.8	5.3									92.8	5.3
	4	91.6	23.2									91.6	23.2
	ALL	107.2	43.9	329.5	86.5	174.5	72.8	995.3	197.2	561.5	489.1	397.8	390.6
DRIVER	DAY												
	1	118.8	105.0	382.5	24.7	102.0	0.0	1095.0	21.2	259.0	73.5	391.4	388.6
	2	149.5	53.0	297.5	147.8			1160.0	14.1	759.0	226.3	591.5	437.9
	3	102.3	27.9									102.3	27.9
	4	86.2	6.6									86.2	6.6
	ALL	114.2	52.1	340.0	99.5	102.0	0.0	1127.5	40.3	509.0	319.7	410.2	400.5
LOADER	DAY												
	1	58.8	20.3	397.0	1.4	134.8	59.8	1170.0	28.3	259.0	73.5	403.9	422.8
	2	147.0	49.5	361.5	187.4			1010.5	84.1	181.0	49.5	425.0	380.7
	3	93.7	1.3									93.7	1.3
	4	93.3	20.8									93.3	20.8
	ALL	98.2	40.1	379.3	110.1	134.8	59.8	1090.3	105.4	220.0	68.2	355.1	375.5
ALL	DAY												
	1	90.3	62.9	376.3	25.3	137.1	53.2	1120.0	44.7	259.0	57.0	396.5	384.5
	2	149.2	40.8	322.8	128.2			1022.0	175.1	601.3	433.8	523.8	406.2
	3	96.3	13.5									96.3	13.5
	4	90.4	14.6									90.4	14.6
	ALL	106.5	44.1	349.6	92.4	137.1	53.2	1071.0	132.2	430.2	344.9	387.7	383.7

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMAND	1	2.0	32.3	2.0	79.9	2.0	177.0	2.0	223.0	2.0	208.0	10.0	223.0
	2	2.0	98.0	2.0	138.0			2.0	547.0	2.0	905.0	8.0	905.0
	3	2.0	30.0									2.0	30.0
	4	2.0	74.7									2.0	74.7
ALL		8.0	98.0	4.0	138.0	2.0	177.0	4.0	547.0	4.0	905.0	22.0	905.0
DRIVER	DAY												
	1	2.0	45.4	2.0	88.8	2.0	80.6	2.0	230.0	2.0	208.0	10.0	230.0
	2	2.0	95.0	2.0	129.0			2.0	583.0	2.0	650.0	8.0	650.0
	3	2.0	37.4									2.0	37.4
	4	2.0	65.8									2.0	65.8
ALL		8.0	95.0	4.0	129.0	2.0	80.6	4.0	583.0	4.0	650.0	22.0	650.0
LOAD R	DAY												
	1	2.0	18.5	2.0	88.3	2.0	142.0	2.0	234.0	2.0	208.0	10.0	234.0
	2	2.0	111.0	2.0	153.0			2.0	476.0	2.0	152.0	8.0	476.0
	3	2.0	29.8									2.0	29.8
	4	2.0	74.3									2.0	74.3
ALL		8.0	111.0	4.0	153.0	2.0	142.0	4.0	476.0	4.0	208.0	22.0	476.0
ALL	DAY												
	1	6.0	45.4	6.0	88.8	6.0	177.0	6.0	234.0	6.0	208.0	30.0	234.0
	2	6.0	111.0	6.0	153.0			6.0	583.0	6.0	905.0	24.0	905.0
	3	6.0	37.4									6.0	37.4
	4	6.0	74.7									6.0	74.7

(CONTINUED)

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

2

SAMPLE TYPE GENERAL AREA

	COMBINATION OF FORT & VEHICLE TYPE									
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC				
	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.				
	MAX	MAX	MAX	MAX	MAX	MAX				
ALL	111.0	12.0	153.0	6.0	177.0	12.0	583.0	12.0	905.0	905.0

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE																																			
		SILL-M109						BENNING-M3						KNOX-M60						CARSON-M60						KNOX-M1						ALL					
		TOTCONC						TOTCONC						TOTCONC						TOTCONC						TOTCONC						TOTCONC					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD								
POSITION DAY																																					
COMMAND																																					
	1	25.4	9.8	65.7	20.1	136.8	56.8	163.0	84.9	179.5	40.3	114.1	72.5																								
	2	80.4	24.9	109.3	40.6			381.5	234.1	609.5	417.9	295.2	294.1																								
	3	29.3	1.1									29.3	1.1																								
	4	64.6	14.3									64.6	14.3																								
	ALL	49.9	27.4	87.5	36.3	136.8	56.8	272.3	191.2	394.5	347.0	167.7	203.7																								
DRIVER																																					
	1	31.9	19.0	71.9	23.8	79.8	1.1	166.5	89.8	179.5	40.3	105.9	69.4																								
	2	76.0	26.8	103.9	35.5			469.0	161.2	535.0	162.6	296.0	238.8																								
	3	31.3	8.6									31.3	8.6																								
	4	61.0	6.7									61.0	6.7																								
	ALL	50.1	24.3	87.9	30.8	79.8	1.1	317.8	204.6	357.3	226.9	164.2	178.9																								
LOADER																																					
	1	18.0	0.7	74.0	20.2	107.3	49.1	172.0	87.7	179.5	40.3	110.1	73.8																								
	2	85.4	36.2	124.9	39.7			403.0	103.2	127.5	34.6	185.2	143.2																								
	3	29.3	0.7									29.3	0.7																								
	4	65.6	12.3									65.6	12.3																								
	ALL	49.6	32.4	99.5	39.1	107.3	49.1	287.5	154.6	153.5	42.9	126.0	108.9																								
ALL																																					
	1	25.1	11.4	70.5	17.1	108.0	42.2	167.2	67.9	179.5	31.2	110.1	69.5																								
	2	80.6	23.4	112.7	31.5			417.8	141.2	424.0	307.1	258.8	229.7																								
	3	30.0	4.0									30.0	4.0																								
	4	63.7	9.2									63.7	9.2																								
	ALL	49.9	27.0	91.6	32.7	108.0	42.2	292.5	168.2	301.8	244.2	152.7	167.2																								

CONCENTRATION OF NITRIC OXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION DAY		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
COMMAND	1	1.0	920.0	2.0	3700.0	2.0	254.0	2.0	2920.0	2.0	366.0	2.0	3700.0
	2	3.0	667.0	2.0	662.0	.	.	2.0	6430.0	2.0	347.0	2.0	6430.0
	3	2.0	838.0	.	.	.	.	.	.	.	.	2.0	838.0
	4	2.0	210.0	.	.	.	.	.	.	.	.	2.0	210.0
ALL		8.0	920.0	4.0	3700.0	2.0	254.0	4.0	6430.0	4.0	366.0	22.0	6430.0
DRIVER	1	2.0	802.0	2.0	1850.0	2.0	222.0	2.0	3150.0	2.0	352.0	10.0	3150.0
	2	3.0	630.0	2.0	676.0	.	.	2.0	4410.0	2.0	229.0	9.0	4410.0
	3	2.0	135.0	.	.	.	.	.	.	.	.	2.0	135.0
	4	2.0	286.0	.	.	.	.	.	.	.	.	2.0	286.0
ALL		9.0	802.0	4.0	1850.0	2.0	222.0	4.0	4410.0	4.0	352.0	23.0	4410.0
LOADER	1	2.0	1180.0	2.0	2680.0	2.0	312.0	2.0	2370.0	2.0	366.0	10.0	2680.0
	2	2.0	635.0	1.0	851.0	.	.	2.0	5440.0	3.0	172.0	8.0	5440.0
	3	2.0	473.0	.	.	.	.	.	.	.	.	2.0	473.0
	4	2.0	273.0	.	.	.	.	.	.	.	.	2.0	273.0
ALL		8.0	1180.0	3.0	2680.0	2.0	312.0	4.0	5440.0	5.0	366.0	22.0	5440.0
ALL	1	5.0	1180.0	6.0	3700.0	6.0	312.0	6.0	3150.0	6.0	366.0	29.0	3700.0
	2	8.0	667.0	5.0	851.0	.	.	6.0	6430.0	7.0	347.0	26.0	6430.0
	3	6.0	838.0	.	.	.	.	.	.	.	.	6.0	838.0
	4	6.0	286.0	.	.	.	.	.	.	.	.	6.0	286.0

(CONTINUED)

CONCENTRATION OF NITRIC OXIDE (UG/M3)

11

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID
POSITION	DAY												
COMMAND	1	920.0		2755.0	1336.4	247.0		9.9	2465.0	643.5	270.0	135.8	1377.1
	2	619.0	68.1	622.5	55.9				4760.0	2361.7	239.5	152.0	1455.7
	3	500.5	477.3										500.5
	4	158.5	72.8										158.5
	ALL	511.9	314.7	1688.8	1453.4	247.0		9.9	3612.5	1937.3	254.8	119.0	1218.8
DRIVER	DAY												
	1	509.5	413.7	1375.5	671.0	215.0		9.9	2445.0	997.0	257.5	133.6	960.5
	2	540.0	78.4	583.0	131.5				4265.0	205.1	168.0	86.3	1294.7
	3	126.5	12.0										126.5
	4	185.4	142.3										185.4
LOADER	ALL	362.5	253.9	979.3	604.3	215.0		9.9	3355.0	1204.0	212.8	105.4	951.3
	DAY												
	1	726.5	641.3	1920.0	1074.8	280.0		45.3	1945.0	601.0	300.5	92.6	1034.4
	2	552.5	116.7	851.0					3660.0	2517.3	156.0	14.7	1218.0
	3	327.5	205.8										327.5
ALL	4	180.8	130.4										180.8
	ALL	446.8	345.0	1563.7	979.0	280.0		45.3	2802.5	1792.5	213.8	92.3	959.3
	DAY												
	1	678.4	419.1	2016.8	1031.8	247.3		36.0	2285.0	650.6	276.0	96.8	1115.3
	2	572.8	80.7	652.4	133.5				4228.3	1623.0	183.3	81.7	1326.8
ALL	3	318.2	286.5										318.2
	4	174.9	93.1										174.9
	ALL	437.3	298.4	1396.6	1023.3	247.3		36.0	3256.7	1555.5	226.1	97.7	1041.8
	DAY												
	1	678.4	419.1	2016.8	1031.8	247.3		36.0	2285.0	650.6	276.0	96.8	1115.3
ALL	2	572.8	80.7	652.4	133.5				4228.3	1623.0	183.3	81.7	1326.8
	3	318.2	286.5										318.2
	4	174.9	93.1										174.9
	ALL	437.3	298.4	1396.6	1023.3	247.3		36.0	3256.7	1555.5	226.1	97.7	1041.8

CONCENTRATION OF NITRIC OXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMAND	1	1.0	209.0	2.0	563.0	2.0	199.0	2.0	609.0	2.0	245.0	9.0	609.0
	2	3.0	357.0	2.0	142.0			2.0	3210.0	2.0	244.0	9.0	3210.0
	3	2.0	261.0									2.0	261.0
	4	2.0	145.0									2.0	145.0
ALL		8.0	357.0	4.0	563.0	2.0	199.0	4.0	3210.0	4.0	245.0	22.0	3210.0
DRIVER	1	2.0	189.0	2.0	280.0	2.0	176.0	2.0	671.0	2.0	235.0	10.0	671.0
	2	3.0	320.0	2.0	145.0			2.0	2060.0	2.0	161.0	9.0	2060.0
	3	2.0	41.8									2.0	41.8
	4	2.0	197.0									2.0	197.0
ALL		9.0	320.0	4.0	280.0	2.0	176.0	4.0	2060.0	4.0	235.0	23.0	2060.0
LOADER	1	2.0	283.0	2.0	404.0	2.0	250.0	2.0	483.0	2.0	245.0	10.0	483.0
	2	2.0	339.0	1.0	182.0			2.0	2720.0	3.0	121.0	8.0	2720.0
	3	2.0	144.0									2.0	144.0
	4	2.0	187.0									2.0	187.0
ALL		8.0	339.0	3.0	404.0	2.0	250.0	4.0	2720.0	5.0	245.0	22.0	2720.0
ALL	1	5.0	283.0	6.0	563.0	6.0	250.0	6.0	671.0	6.0	245.0	29.0	671.0
	2	8.0	357.0	5.0	182.0			6.0	3210.0	7.0	244.0	26.0	3210.0
	3	6.0	261.0									6.0	261.0
	4	6.0	197.0									6.0	197.0

(CONTINUED)

CONCENTRATION OF NITRIC OXIDE (UG/M3)

2

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE										
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
ALL	ALL	25.0	357.0	11.0	563.0	6.0	250.0	12.0	3210.0	13.0	245.0	67.0
												3210.0

CONCENTRATION OF NITRIC OXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY										
COMMAND	1	209.0		482.5	113.8	194.0	7.1	397.0	299.8	186.0	83.4
	2	331.7	27.2	128.0	19.8			2080.0	1598.1	168.5	106.7
	3	156.6	147.6								
	4	111.1	47.9								
	ALL	217.4	116.4	305.3	215.3	194.0	7.1	1238.5	1351.1	177.3	78.8
DRIVER	1	139.5	70.0	240.0	56.6	168.5	10.6	416.5	359.9	176.5	82.7
	2	285.7	36.1	120.5	34.6			1710.0	495.0	118.3	60.3
	3	38.9	4.0								
	4	129.2	95.9								
	ALL	163.6	109.6	180.3	78.9	168.5	10.6	1063.3	826.2	147.4	68.0
LOADER	1	198.0	120.2	331.0	103.2	222.0	39.6	312.5	241.1	208.0	52.3
	2	298.5	57.3	182.0				1648.5	1515.3	109.7	10.3
	3	101.3	60.5								
	4	125.5	86.9								
	ALL	180.8	104.2	281.3	112.8	222.0	39.6	980.5	1174.6	149.0	60.3
ALL	1	176.8	77.6	351.2	131.8	194.8	30.3	375.3	240.7	190.2	59.3
	2	306.1	39.1	135.8	32.8			1812.8	1030.8	129.0	57.3
	3	98.9	88.7								
	4	121.9	62.3								
	ALL	186.3	107.9	253.3	147.5	194.8	30.3	1094.1	11035.8	157.2	64.2

CONCENTRATION OF NITROGEN DIOXIDE (UC/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.						
		MAX	MAX	MAX	MAX	MAX	MAX						
POSITION DAY													
COMMAND													
1		1.0	731.0	2.0	2240.0	2.0	458.0	2.0	2890.0	2.0	561.0	9.0	2890.0
2		3.0	1020.0	2.0	1160.0			2.0	8430.0	2.0	532.0	9.0	8430.0
3		2.0	918.0									2.0	918.0
4		2.0	245.0									2.0	245.0
ALL		8.0	1020.0	4.0	2240.0	2.0	458.0	4.0	8430.0	4.0	561.0	22.0	8430.0
DRIVER													
1		2.0	603.0	2.0	1380.0	2.0	461.0	2.0	4290.0	2.0	540.0	10.0	4290.0
2		3.0	965.0	2.0	876.0			2.0	3090.0	2.0	351.0	9.0	3090.0
3		2.0	255.0									2.0	255.0
4		2.0	279.0									2.0	279.0
ALL		9.0	965.0	4.0	1380.0	2.0	461.0	4.0	4290.0	4.0	540.0	23.0	4290.0
LOADER													
1		2.0	596.0	2.0	1780.0	2.0	494.0	2.0	5170.0	2.0	561.0	10.0	5170.0
2		2.0	974.0	1.0	1300.0			2.0	3380.0	3.0	264.0	8.0	3380.0
3		2.0	865.0									2.0	865.0
4		2.0	549.0									2.0	549.0
ALL		8.0	974.0	3.0	1780.0	2.0	494.0	4.0	5170.0	5.0	561.0	22.0	5170.0
ALL													
1		5.0	731.0	6.0	2240.0	6.0	494.0	6.0	5170.0	6.0	561.0	29.0	5170.0
2		8.0	1020.0	5.0	1300.0			6.0	8430.0	7.0	532.0	26.0	8430.0
3		6.0	918.0									6.0	918.0
4		6.0	549.0									6.0	549.0

(CONTINUED)

CONCENTRATION OF NITROGEN DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE					
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX
ALL	JALL	25.0	1020.0	11.0	2240.0	6.0	494.0
		12.0	18430.0	13.0	561.0	67.0	18430.0

CONCENTRATION OF NITROGEN DIOXIDE (UG/M3)

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SAMPLE TYPE GENERAL AREA

COMBINATION OF PORT & VEHICLE TYPE																									
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC			
		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD	
POSITION DAY																									
COMMAND		1	731.0		2170.0	99.0	403.0	77.8	2225.0	940.5	414.0	207.9	1239.4	977.1											
		2	948.0	103.8	1027.0	188.1			15990.0	3450.7	367.0	233.3	1956.9	2607.4											
		3	631.5	405.2										631.5	405.2										
		4	217.0	39.6										217.0	39.6										
ALL			659.0	345.4	1598.5	671.2	403.0	77.8	4107.5	2998.2	390.5	182.5	1384.7	1815.2											
DRIVER		DAY																							
		1	456.0	207.9	1285.0	134.4	442.5	26.2	3210.0	1527.4	394.5	205.8	1157.6	1250.2											
		2	827.7	119.6	775.5	142.1			2955.0	190.9	257.5	132.2	1162.1	1049.0											
		3	217.5	53.0										217.5	53.0										
		4	237.0	59.4										237.0	59.4										
ALL			478.2	295.3	1030.3	315.1	442.5	26.2	3082.5	900.8	326.0	161.9	997.6	1081.9											
LOADER		DAY																							
		1	507.0	125.9	1545.0	332.3	480.0	19.8	4045.0	1591.0	424.5	193.0	1400.3	1560.6											
		2	847.0	179.6	1300.0				2830.0	777.8	239.0	22.9	1171.4	1132.3											
		3	613.5	355.7										613.5	355.7										
		4	342.5	292.0										342.5	292.0										
ALL			577.5	274.7	1463.3	274.3	480.0	19.8	3437.5	1240.0	313.2	141.1	1149.4	1265.2											
ALL		DAY																							
		1	531.4	166.9	1666.7	439.5	441.8	51.1	3160.0	1346.7	411.0	157.3	1266.7	1252.6											
		2	877.6	123.4	981.0	248.0			3925.0	2252.0	280.9	125.3	1440.1	11741.8											
		3	487.5	320.2										487.5	320.2										
		4	265.5	147.4										265.5	147.4										
ALL			567.8	302.8	1355.0	499.4	441.8	51.1	3542.5	1813.6	340.9	150.7	1174.5	1404.9											

CONCENTRATION OF NITROGEN DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.						
		MAX	MAX	MAX	MAX	MAX	MAX						
POSITION	DAY												
COMMAND	1	1.0	166.0	2.0	498.0	2.0	359.0	2.0	602.0	2.0	375.0	9.0	602.0
	2	3.0	547.0	2.0	250.0	.	.	2.0	2590.0	2.0	373.0	9.0	2590.0
	3	2.0	286.0	.	.	.	.	.	.	.	.	2.0	286.0
	4	2.0	178.0	.	.	.	.	.	.	.	.	2.0	178.0
	ALL	8.0	547.0	4.0	498.0	2.0	359.0	4.0	2590.0	4.0	375.0	22.0	2590.0
DRIVER	1	2.0	142.0	2.0	307.0	2.0	357.0	2.0	913.0	2.0	361.0	10.0	913.0
	2	3.0	491.0	2.0	188.0	.	.	2.0	1540.0	2.0	247.0	9.0	1540.0
	3	2.0	78.9	.	.	.	.	.	.	.	.	2.0	78.9
	4	2.0	192.0	.	.	.	.	.	.	.	.	2.0	192.0
	ALL	9.0	491.0	4.0	307.0	2.0	357.0	4.0	1540.0	4.0	361.0	23.0	1540.0
LOADER	1	2.0	173.0	2.0	395.0	2.0	387.0	2.0	1060.0	2.0	375.0	10.0	1060.0
	2	2.0	519.0	1.0	280.0	.	.	2.0	1690.0	3.0	186.0	8.0	1690.0
	3	2.0	264.0	.	.	.	.	.	.	.	.	2.0	264.0
	4	2.0	377.0	.	.	.	.	.	.	.	.	2.0	377.0
	ALL	8.0	519.0	3.0	395.0	2.0	387.0	4.0	1690.0	5.0	375.0	22.0	1690.0
ALL	1	5.0	173.0	6.0	498.0	6.0	387.0	6.0	1060.0	6.0	375.0	29.0	1060.0
	2	8.0	547.0	5.0	280.0	.	.	6.0	2590.0	7.0	373.0	26.0	2590.0
	3	6.0	286.0	.	.	.	.	.	.	.	.	6.0	286.0
	4	6.0	377.0	6.0	377.0
	ALL	25.0	1540.0	14.0	913.0	14.0	789.0	25.0	1540.0	25.0	1540.0	100.0	1540.0

(CONTINUED)

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CONCENTRATION OF NITROGEN DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	166.0		409.0	125.9	317.0	59.4	372.5	324.6	285.0	127.3	325.9	153.4
	2	508.3	41.8	212.5	53.0			2180.0	579.8	258.0	162.6	758.4	843.7
	3	198.5	123.7									198.5	123.7
	4	154.5	33.2									154.5	33.2
	ALL	299.6	181.7	310.8	138.2	317.0	59.4	1276.3	1111.8	271.5	120.2	475.7	584.8
DRIVER	DAY												
	1	135.0	9.9	243.5	89.8	346.0	15.6	555.5	505.6	271.5	126.6	310.3	230.0
	2	438.6	55.7	160.0	39.6			1204.0	475.2	181.5	92.6	489.4	458.0
	3	67.1	16.7									67.1	16.7
	4	166.5	36.1									166.5	36.1
	ALL	227.9	164.6	201.8	74.4	346.0	15.6	879.8	548.3	226.5	104.4	346.7	342.0
LOADER	DAY												
	1	158.0	21.2	296.5	139.3	379.5	10.6	666.0	557.2	292.5	116.7	358.5	264.8
	2	457.0	87.7	280.0				1196.0	698.6	168.3	15.9	511.4	513.6
	3	190.0	104.7									190.0	104.7
	4	237.6	197.1									237.6	197.1
	ALL	260.7	154.5	291.0	99.0	379.5	10.6	931.0	599.8	218.0	90.3	387.8	363.9
ALL	DAY												
	1	150.4	18.6	316.3	119.9	347.5	39.5	531.3	389.7	283.0	56.2	331.8	216.1
	2	469.1	60.0	205.0	59.5			1526.7	682.7	197.7	87.5	589.3	620.2
	3	151.9	98.2									151.9	98.2
	4	186.2	99.3									186.2	99.3
	ALL	261.3	162.9	265.7	109.5	347.5	39.5	1029.0	742.4	237.1	98.2	402.6	439.2

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.						
		MAX	MAX	MAX	MAX	MAX	MAX						
POSITION	DAY												
COMMAND	1	2.0	106.0	1.0	194.0	2.0	227.0	2.0	1240.0	2.0	117.0	9.0	1240.0
	2	3.0	228.0	3.0	543.0	.	.	2.0	1390.0	2.0	213.0	10.0	1390.0
	3	2.0	152.0	.	.	.	.	.	.	.	.	2.0	152.0
	4	2.0	45.8	.	.	.	.	.	.	.	.	2.0	45.8
	ALL	9.0	228.0	4.0	543.0	2.0	227.0	4.0	1390.0	4.0	213.0	23.0	1390.0
DRIVER	1	2.0	136.0	2.0	225.0	2.0	294.0	2.0	515.0	2.0	117.0	10.0	515.0
	2	3.0	345.0	3.0	357.0	.	.	2.0	2550.0	2.0	205.0	10.0	2550.0
	3	2.0	40.9	.	.	.	.	.	.	.	.	2.0	40.9
	4	2.0	69.8	.	.	.	.	.	.	.	.	2.0	69.8
	ALL	9.0	345.0	5.0	357.0	2.0	294.0	4.0	2550.0	4.0	205.0	24.0	2550.0
GUNNER	1	.	.	.	.	2.0	633.0	2.0	411.0	2.0	311.0	6.0	633.0
	2	.	.	.	.	.	.	2.0	1200.0	2.0	166.0	4.0	1200.0
	3	.	.	.	.	2.0	633.0	4.0	1200.0	4.0	311.0	10.0	1200.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	9.0	110.0	2.0	297.0	2.0	154.0	2.0	1360.0	2.0	112.0	10.0	1360.0
LOADER	1	3.0	218.0	3.0	331.0	.	.	2.0	1490.0	2.0	281.0	10.0	1490.0
	2	2.0	29.3	.	.	.	.	.	.	.	.	2.0	29.3
	3	2.0	99.9	.	.	.	.	.	.	.	.	2.0	99.9
	4	9.0	218.0	5.0	331.0	2.0	154.0	4.0	1490.0	4.0	281.0	24.0	1490.0
	ALL	9.0	218.0	5.0	331.0	2.0	154.0	4.0	1490.0	4.0	281.0	24.0	1490.0

(CONTINUED)

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
		DAY											
ALL													
1		6.0	136.0	5.0	297.0	8.0	633.0	8.0	1360.0	8.0	311.0	35.0	1360.0
2		9.0	345.0	9.0	543.0	.	.	8.0	2550.0	8.0	281.0	34.0	2550.0
3		6.0	152.0	.	.	.	.	.	.	.	.	6.0	152.0
4		6.0	99.9	.	.	.	.	.	.	.	.	6.0	99.9
ALL		27.0	345.0	14.0	543.0	8.0	633.0	16.0	2550.0	16.0	311.0	81.0	2550.0

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	100.3	8.1	194.0		224.0	4.2	806.0	613.8	88.4	40.4	292.4	367.8
	2	181.0	55.3	367.3	228.5			1113.5	391.0	135.9	109.0	414.4	418.7
	3	86.1	93.2									86.1	93.2
	4	45.8	0.0									45.8	0.0
	ALL	111.9	70.3	324.0	205.7	224.0	4.2	959.8	456.1	112.1	72.5	306.0	370.5
DRIVER	1	119.5	23.3	200.5	34.6	177.5	164.7	375.0	198.0	98.1	26.7	194.1	135.2
	2	290.0	53.6	224.0	117.2			1170.5	1102.4	115.3	126.8	531.4	755.7
	3	33.5	10.4									33.5	10.4
	4	69.8	0.0									69.8	0.0
	ALL	146.2	115.6	214.6	85.6	177.5	164.7	1072.8	1033.1	106.7	75.5	310.9	519.1
GUNNER	1					422.5	297.7	323.0	124.5	182.2	182.2	309.2	197.8
	2							941.5	365.6	163.5	3.5	552.5	496.3
	3					422.5	297.7	632.3	421.0	172.8	105.7	406.5	345.9
	4												
	ALL												
LOADER	1	97.0	18.3	250.0	66.5	130.0	33.9	924.5	615.9	80.9	43.9	296.5	395.6
	2	187.7	32.1	199.3	118.6			1385.0	148.5	239.5	58.7	441.0	504.1
	3	29.1	0.3									29.1	0.3
	4	69.9	42.4									69.9	42.4
	ALL	106.1	69.6	219.6	94.4	130.0	33.9	1154.8	452.2	160.2	100.8	315.5	424.4
ALL	DAY												
1	105.6	17.5	219.0	47.0	238.5	175.7	607.1	440.9	112.4	85.1	268.4	293.5	

(CONTINUED)

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY										
	2	219.6	67.4	263.6	161.8			1302.6	574.2	163.6	83.8
	3	49.6	50.6								
	4	61.8	22.7								
	ALL	121.4	86.3	247.6	131.4	238.5	175.7	954.9	611.2	138.0	85.8
										472.9	546.3
										49.6	50.6
										61.8	22.7
										322.7	426.0

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMAND	1	2.0	467.0	1.0	1280.0	2.0	289.0	2.0	16300	2.0	160.0	9.0	16300
	2	3.0	449.0	3.0	2530.0			2.0	2780.0	2.0	303.0	10.0	2780.0
	3	2.0	487.0									2.0	487.0
	4	2.0	65.5									2.0	65.5
	ALL	9.0	487.0	4.0	2530.0	2.0	289.0	4.0	16300	4.0	303.0	23.0	16300
DRIVER	DAY												
	1	2.0	452.0	2.0	1160.0	2.0	375.0	2.0	3090.0	2.0	160.0	10.0	3090.0
	2	3.0	617.0	3.0	912.0			2.0	5090.0	2.0	291.0	10.0	5090.0
	3	2.0	131.0									2.0	131.0
	4	2.0	99.7									2.0	99.7
	ALL	9.0	617.0	5.0	1160.0	2.0	375.0	4.0	5090.0	4.0	291.0	24.0	5090.0
GUNNER	DAY												
	1					2.0	802.0	2.0	3090.0	2.0	428.0	6.0	3090.0
	2							2.0	2410.0	2.0	236.0	4.0	2410.0
	ALL					2.0	802.0	4.0	3090.0	4.0	428.0	10.0	3090.0
	DAY												
LOADER	DAY												
	1	2.0	482.0	2.0	1340.0	2.0	196.0	2.0	17900	2.0	167.0	10.0	17900
	2	3.0	430.0	3.0	773.0			2.0	4160.0	2.0	401.0	10.0	4160.0
	3	2.0	92.8									2.0	92.8
	4	2.0	143.0									2.0	143.0
	ALL	9.0	482.0	5.0	1340.0	2.0	196.0	4.0	17900	4.0	401.0	24.0	17900

(CONTINUED)

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
ALL		DAY											
1		6.0	482.0	5.0	1340.0	8.0	802.0	8.0	17900	8.0	428.0	35.0	17900
2		9.0	617.0	9.0	2530.0			8.0	15090.0	8.0	401.0	34.0	15090.0
3		6.0	487.0									6.0	487.0
4		6.0	143.0									6.0	143.0
ALL		27.0	617.0	14.0	2530.0	8.0	802.0	16.0	17900	16.0	428.0	81.0	17900

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

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SAMPLE TYPE BREATHING ZONE

SAMPLE TYPE	BREATHING ZONE	COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		FIRECONC	MEAN	STD	FIRECONC	MEAN	STD	FIRECONC	MEAN	STD	FIRECONC	MEAN	STD
COMMAND	POSITION DAY	347.5	169.0	1280.0	285.0	5.7	9040.0	10267	124.7	49.9	2319.4	5274.3	
	1	343.0	119.2	1253.3	1107.2			12750.0	42.4	193.1	155.4	1067.5	1124.2
	2	275.2	299.5									275.2	299.5
	3	64.4	1.6									64.4	1.6
	4												
ALL		267.0	180.0	1260.0	904.1	285.0	5.7	5895.0	6951.8	158.9	102.2	1401.3	3363.1
DRIVER	DAY												
	1	390.5	87.0	1085.0	106.1	226.3	210.4	2780.0	438.4	139.5	29.0	924.3	1052.6
	2	541.3	74.1	694.3	194.9			4155.0	1322.3	163.6	180.1	1234.4	1617.2
	3	106.7	34.4									106.7	34.4
	4	98.1	2.3									98.1	2.3
ALL		312.7	213.8	850.6	260.0	226.3	210.4	3467.5	1130.1	151.6	106.2	916.5	1271.3
GUNNER	DAY												
	1					536.5	375.5	2530.0	792.0	253.9	246.2	1106.8	1182.0
	2							2315.0	134.4	232.0	5.7	1273.5	1205.1
ALL						536.5	375.5	2422.5	480.1	242.9	142.8	1173.5	1125.9
LOADER	DAY												
	1	342.5	197.3	1340.0	0.0	165.5	43.1	10125	10996	117.8	69.7	2418.1	5491.5
	2	353.3	71.3	595.3	154.2			3565.0	841.5	341.0	84.9	1065.8	1354.1
	3	92.4	0.5									92.4	0.5
	4	99.0	62.2									99.0	62.2
ALL		236.4	156.4	893.2	422.2	165.5	43.1	6845.0	7408.2	229.4	143.6	1467.6	3648.1
ALL	DAY												
	1	360.2	124.8	1226.0	141.4	303.3	222.5	6118.8	6807.1	159.0	115.5	1741.1	3939.2

(CONTINUED)

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
	2	412.6	124.7	847.7	645.2			3196.3	966.5	232.4	119.5	1140.3	1303.1
	3	158.1	162.6									158.1	162.6
	4	87.2	33.0									87.2	33.0
	ALL	272.1	180.5	982.8	545.6	303.3	222.5	4657.5	4933.3	195.7	119.7	1249.2	2756.6

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMAND	1	2.0	10.1	2.0	27.7	2.0	45.2	2.0	98.7	2.0	46.6	10.0	98.7
	2	2.0	33.6	2.0	18.1	.	.	3.0	208.0	2.0	36.1	9.0	208.0
	3	2.0	8.4	.	.	.	.	.	.	.	.	2.0	8.4
	4	2.0	16.8	.	.	.	.	.	.	.	.	2.0	16.8
	ALL	8.0	33.6	4.0	27.7	2.0	45.2	5.0	208.0	4.0	49.6	23.0	208.0
DRIVER	DAY												
	1	2.0	11.5	2.0	27.3	2.0	79.5	2.0	92.3	2.0	46.2	10.0	92.3
	2	2.0	39.1	2.0	29.6	.	.	3.0	199.0	2.0	56.6	9.0	199.0
	3	2.0	8.0	.	.	.	.	.	.	.	.	2.0	8.0
	4	2.0	19.7	.	.	.	.	.	.	.	.	2.0	19.7
	ALL	8.0	39.1	4.0	29.6	2.0	79.5	5.0	199.0	4.0	56.6	23.0	199.0
LOADER	DAY												
	1	2.0	10.9	2.0	46.5	2.0	56.6	2.0	91.8	2.0	27.6	10.0	91.8
	2	2.0	32.6	2.0	30.3	.	.	3.0	199.0	3.0	21.7	10.0	199.0
	3	2.0	8.4	.	.	.	.	.	.	.	.	2.0	8.4
	4	2.0	27.8	.	.	.	.	.	.	.	.	2.0	27.8
	ALL	8.0	32.6	4.0	46.5	2.0	56.6	5.0	199.0	5.0	27.6	24.0	199.0
ALL	DAY												
	1	6.0	11.5	6.0	46.5	6.0	79.5	6.0	98.7	6.0	49.6	30.0	98.7
	2	6.0	39.1	6.0	30.3	.	.	9.0	208.0	7.0	56.6	28.0	208.0
	3	6.0	8.4	.	.	.	.	.	.	.	.	6.0	8.4
	4	6.0	27.8	.	.	.	.	.	.	.	.	6.0	27.8

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	39.1	12.0	46.5	6.0	19.5	15.0	208.0	13.0	56.6	70.0
		24.0									

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		TOTCONC			TOTCONC			TOTCONC			TOTCONC		
		# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.
		ALL			DAY			1			2		
		6.0	11.3	6.0	38.9	8.0	57.2	7.0	118.0	8.0	59.1	35.0	118.0
		6.0	35.0	6.0	27.3	.1	.1	5.0	229.0	8.0	52.5	25.0	229.0
		6.0	18.8	.1	.1	.1	.1	.1	.1	.1	.1	6.0	18.8
		6.0	18.6	.1	.1	.1	.1	.1	.1	.1	.1	6.0	18.6
		24.0	35.0	12.0	38.9	8.0	57.2	12.0	229.0	16.0	59.1	72.0	229.0

CONCENTRATION OF FORMALDEHYDE (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICL TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION/DAY													
COMMAND	1	9.8	0.4	24.9	4.0	39.0	8.7	65.9	46.3	38.8	15.3	35.7	25.6
	2	32.1	2.1	16.2	2.6	.	.	116.9	92.1	34.7	1.9	57.4	64.5
	3	8.0	0.6	.	.	.	.	.	.	.	.	8.0	0.6
	4	16.0	1.1	.	.	.	.	.	.	.	.	16.0	1.1
	ALL	16.5	10.2	20.6	5.7	39.0	8.7	96.5	74.6	36.8	9.2	40.1	45.4
DRIVER	1	10.6	1.2	23.3	5.6	52.5	38.1	61.6	43.3	43.3	4.1	38.3	27.7
	2	35.0	5.7	21.3	11.7	.	.	102.9	89.4	44.8	16.6	56.8	57.6
	3	8.0	0.0	.	.	.	.	.	.	.	.	8.0	0.0
	4	17.4	3.3	.	.	.	.	.	.	.	.	17.4	3.3
	ALL	17.8	11.6	22.3	7.6	52.5	38.1	86.4	70.5	44.1	9.9	41.1	42.1
LOADER	1	10.2	1.0	33.0	19.1	42.9	19.4	61.9	42.2	23.8	5.4	34.4	25.0
	2	32.1	0.7	23.9	9.0	.	.	113.9	84.2	17.7	3.8	50.7	59.3
	3	8.2	0.2	.	.	.	.	.	.	.	.	8.2	0.2
	4	21.4	9.0	.	.	.	.	.	.	.	.	21.4	9.0
	ALL	18.0	10.8	28.5	13.3	42.9	19.4	93.1	69.3	20.1	5.1	37.9	42.4
ALL	1	10.2	0.8	27.1	10.2	44.8	20.5	63.2	34.1	35.3	11.8	36.1	25.3
	2	33.1	3.1	20.5	7.6	.	.	111.2	77.0	30.3	14.4	54.8	58.3
	3	8.1	0.3	.	.	.	.	.	.	.	.	8.1	0.3
	4	18.3	5.0	.	.	.	.	.	.	.	.	18.3	5.0
	ALL	17.4	10.4	23.8	9.2	44.8	20.5	92.0	66.3	32.6	13.0	39.7	42.7

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-H109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1									ALL
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY														
COMMAND	1	10.1	0.6	30.2	12.3	37.0	16.5	73.8	54.0	24.9	3.7	35.2	29.6		
	2	31.3	0.1	15.9	2.1			229.0		46.7	8.2	59.6	75.8		
	3	13.2	7.9									13.2	7.9		
	4	10.5	6.1									10.5	6.1		
	ALL	16.3	10.1	23.0	11.0	37.0	16.5	125.5	97.4	35.8	13.6	38.9	49.3		
DRIVER	1	10.7	0.8	18.3	0.6	47.7	13.4	70.4	50.3	25.3	3.3	34.5	28.8		
	2	34.6	0.5	24.4	1.6			152.0	74.9	26.1	7.6	59.3	64.1		
	3	14.4	2.4									14.4	2.4		
	4	17.8	1.1									17.8	1.1		
	ALL	19.4	9.8	21.4	3.7	47.7	13.4	111.2	70.2	25.7	4.8	40.2	44.6		
GUNNER	1					41.6	13.6	32.2		25.7	2.6	33.4	10.5		
	2							196.0		29.1	8.0	84.8	96.5		
	3					41.6	13.6	114.1	115.8	27.4	5.2	52.6	58.6		
	4														
	ALL														
LOADER	1	9.0	1.3	25.0	5.4	45.9	0.5	76.0	59.4	39.9	27.1	39.2	32.2		
	2	30.1	2.6	23.7	5.0			114.0		34.0	5.7	41.4	32.5		
	3	14.5	5.2									14.5	5.2		
	4	15.9	2.3									15.9	2.3		
	ALL	17.4	8.7	24.4	4.3	45.9	0.5	88.7	47.4	37.0	16.3	35.4	29.7		
ALL	1	9.9	1.1	24.5	8.0	43.1	10.5	67.5	41.8	29.0	12.5	35.9	27.3		

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY												
2	32.0	2.4	21.4	4.9			168.6	58.2	34.0	10.1	57.4	62.0
3	14.0	4.4									14.0	4.4
4	14.8	4.5									14.8	4.5
ALL	17.7	9.2	22.9	6.6	43.1	10.5	109.6	69.9	31.5	11.3	39.8	43.4

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		FIRECONC			FIRECONC			FIRECONC			FIRECONC		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND													
1		2.0	44.4	2.0	182.0	2.0	57.6	2.0	474.0	2.0	68.1	10.0	474.0
2		2.0	60.0	2.0	92.2			3.0	415.0	2.0	51.5	9.0	415.0
3		2.0	26.3									2.0	26.3
4		2.0	23.3									2.0	23.3
ALL		8.0	60.0	4.0	182.0	2.0	57.6	5.0	474.0	4.0	68.1	23.0	474.0
DRIVER													
1		2.0	41.4	2.0	181.0	2.0	103.0	2.0	434.0	2.0	69.0	10.0	434.0
2		2.0	76.8	2.0	151.0			3.0	399.0	2.0	80.7	9.0	399.0
3		2.0	26.0									2.0	26.0
4		2.0	28.5									2.0	28.5
ALL		8.0	76.8	4.0	181.0	2.0	103.0	5.0	434.0	4.0	80.7	23.0	434.0
LOADER													
1		2.0	45.7	2.0	308.0	2.0	72.2	2.0	450.0	2.0	41.3	10.0	450.0
2		2.0	61.1	2.0	155.0			3.0	399.0	3.0	30.9	10.0	399.0
3		2.0	26.5									2.0	26.5
4		2.0	40.5									2.0	40.5
ALL		8.0	61.1	4.0	308.0	2.0	72.2	5.0	450.0	5.0	41.3	24.0	450.0
ALL													
1		6.0	45.7	6.0	308.0	6.0	103.0	6.0	474.0	6.0	69.0	30.0	474.0
2		6.0	76.8	6.0	155.0			9.0	415.0	7.0	80.7	28.0	415.0
3		6.0	26.5									6.0	26.5
4		6.0	40.5									6.0	40.5

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	ALL		
		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC	FIRECONC		
		# OF		# OF		# OF		# OF		# OF	# OF		
		VEHS.		VEHS.		VEHS.		VEHS.		VEHS.	VEHS.		
		MAX		MAX		MAX		MAX		MAX	MAX		
ALL	ALL	24.0	76.8	12.0	308.0	6.0	103.0	15.0	474.0	13.0	80.7	70.0	474.0

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILI-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	DAY												
1		6.0	45.1	6.0	258.0	8.0	71.0	7.0	499.0	8.0	88.4	35.0	499.0
2		6.0	71.9	6.0	139.0	.	.	5.0	458.0	8.0	74.7	25.0	458.0
3		6.0	39.8	.	.	.	.	.	.	.	.	6.0	39.8
4		6.0	26.6	.	.	.	.	.	.	.	.	6.0	26.6
ALL		24.0	71.9	12.0	258.0	8.0	71.0	12.0	499.0	16.0	88.4	72.0	499.0

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	33.6	15.3	140.8	58.3	49.6	11.2	417.5	79.9	54.9	18.6	139.3	155.6
	2	58.6	2.0	79.7	17.6	.	.	370.7	55.1	49.4	3.0	165.3	157.0
	3	25.3	1.4	.	.	.	.	.	.	.	.	25.3	1.4
	4	22.6	1.0	.	.	.	.	.	.	.	.	22.6	1.0
	ALL	35.0	16.3	110.2	49.8	49.6	11.2	389.4	61.4	52.2	11.3	129.4	146.5
DRIVER	DAY												
	1	34.5	9.7	134.1	66.3	67.8	49.9	384.5	70.0	62.3	9.5	136.6	139.9
	2	65.3	16.2	105.9	63.7	.	.	324.3	64.7	63.7	24.0	160.3	130.7
	3	25.9	0.1	.	.	.	.	.	.	.	.	25.9	0.1
	4	24.6	5.4	.	.	.	.	.	.	.	.	24.6	5.4
	ALL	37.6	19.1	120.0	55.5	67.8	49.9	348.4	66.4	63.0	14.9	126.5	128.8
LOADER	DAY												
	1	34.2	16.2	197.9	155.6	54.3	25.2	397.5	74.2	34.4	9.8	143.7	159.6
	2	59.3	2.5	118.5	51.5	.	.	386.3	20.2	25.1	5.4	159.0	161.8
	3	26.3	0.3	.	.	.	.	.	.	.	.	26.3	0.3
	4	30.6	13.9	.	.	.	.	.	.	.	.	30.6	13.9
	ALL	37.6	16.0	158.2	105.2	54.3	25.2	390.8	40.3	28.8	8.0	130.9	149.8
ALL	DAY												
	1	34.1	10.9	157.6	86.0	57.2	26.8	399.8	59.8	50.5	16.5	139.9	146.7
	2	61.1	8.1	101.4	41.5	.	.	360.4	51.8	43.1	20.6	161.5	145.2
	3	25.8	0.8	.	.	.	.	.	.	.	.	25.8	0.8
	4	26.0	7.7	.	.	.	.	.	.	.	.	26.0	7.7
	ALL	36.8	16.5	129.5	70.7	57.2	26.8	376.2	56.7	46.5	18.5	129.0	140.1

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF PORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL								
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION	DAY														
COMMAND	1	32.2	12.8	177.4	113.9	45.4	21.1	434.0	84.9	34.4	9.8	144.7	169.9		
	2	59.5	7.0	77.3	5.8			458.0		66.3	11.9	123.5	147.8		
	3	27.2	16.1									27.2	16.1		
	4	14.6	8.1									14.6	8.1		
	ALL	33.4	19.6	127.4	87.6	45.4	21.1	442.0	61.6	50.3	20.4	114.1	147.7		
DRIVER	1	34.8	14.6	86.9	9.2	58.9	17.0	426.5	79.9	34.8	9.2	128.4	160.9		
	2	65.2	9.4	119.5	14.8			366.0	62.2	37.0	11.0	146.9	141.1		
	3	30.7	6.1									30.7	6.1		
	4	25.1	2.1									25.1	2.1		
	ALL	39.0	18.0	103.2	21.4	58.9	17.0	396.3	68.1	35.9	8.4	116.9	140.2		
GUNNER	1					51.4	17.0	335.0		35.3	8.4	101.7	131.0		
	2							391.0		41.4	11.6	157.9	202.0		
	ALL					51.4	17.0	363.0	39.6	38.4	9.0	122.8	149.4		
	DAY														
LOADER	1	27.8	5.7	119.6	34.5	56.8	0.8	427.5	101.1	57.0	44.3	137.8	160.6		
	2	57.6	11.6	116.6	31.6			370.0		48.2	8.4	116.4	116.7		
	3	30.8	12.7									30.8	12.7		
	4	22.4	3.8									22.4	3.8		
	ALL	34.7	16.1	118.1	27.1	56.8	0.8	408.3	78.8	52.6	26.5	109.5	132.3		
ALL	DAY														
1	31.6	9.6	128.0	67.3	53.2	13.3	415.9	72.5	40.4	20.6	131.9	153.4			

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
	2	60.8	8.2	104.5	26.4			390.2	50.1	48.2	14.5	133.1	135.4
	3	29.6	9.7									29.6	9.7
	4	20.7	6.4									20.7	6.4
	ALL	35.7	17.3	116.2	50.3	53.2	13.3	405.2	62.9	44.3	17.6	114.6	138.2

[illegible]

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-H109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC							
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.							
		MAX	MAX	MAX	MAX	MAX	MAX	MAX							
ALL	ALL	28.0	298.0	6.0	87.8	15.0	169.0	6.0	836.0	12.0	299.0	14.0	697.0	81.0	836.0

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE - GENERAL AREA		COMBINATION OF TOKE & VEHICLE TYPE																	
		CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		FIRE CONC		# OF VEH.	# OF VEH.	MAX	# OF VEH.	# OF VEH.	MAX	# OF VEH.	# OF VEH.	MAX	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
FOSSETT QUAD																			
COMBARD 11																			
1		3.0	203.0	2.0	319.0	3.0	799.0	2.0	795.0	2.0	1680.0	3.0	854.0				15.0	1680.0	
2		2.0	488.0	.1	2.0	520.0	.1		2.0	574.0	2.0	825.0	2.0	825.0			8.0	825.0	
3		2.0	161.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1			2.0	161.0	
4		2.0	146.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				2.0	146.0	
5		9.0	488.0	2.0	319.0	5.0	759.0	2.0	795.0	4.0	1680.0	5.0	854.0				27.0	1680.0	
CARTER 11																			
1		3.0	652.0	2.0	87.1	3.0	365.0	2.0	136.0	2.0	420.0	2.0	291.0				14.0	652.0	
2		2.0	517.0	.1	.1	2.0	418.0	.1		2.0	328.0	2.0	152.0				8.0	517.0	
3		2.0	83.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				2.0	83.5	
4		2.0	310.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				2.0	310.0	
ALL		9.0	652.0	2.0	87.1	5.0	418.0	2.0	136.0	4.0	420.0	4.0	291.0				26.0	652.0	
COMBARD 11																			
1		3.0	396.0	2.0	148.0	3.0	306.0	2.0	1010.0	2.0	871.0	3.0	599.0				15.0	1010.0	
2		2.0	321.0	.1	.1	2.0	329.0	.1		2.0	342.0	2.0	607.0				8.0	607.0	
3		2.0	83.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				2.0	83.3	
4		3.0	126.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				3.0	126.0	
ALL		10.0	396.0	2.0	148.0	5.0	329.0	2.0	1010.0	4.0	871.0	5.0	607.0				28.0	1010.0	
ALL																			
1		9.0	652.0	6.0	319.0	9.0	759.0	6.0	1010.0	6.0	1680.0	8.0	854.0				44.0	1680.0	
2		6.0	517.0	.1	.1	6.0	520.0	.1		6.0	574.0	6.0	825.0				24.0	825.0	
3		6.0	161.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				6.0	161.0	
4		7.0	310.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				7.0	310.0	

(CONTINUED)

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		STU-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	652.01	319.01	15.01	759.01	6.01	1010.01	12.01	1680.01	14.01	854.01	81.01	1680.01

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE																						
POSITION	DAY	COMBINATION OF FORT & VEHICLE TYPE																				
		STILL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	
COMMAND	1	154.3	42.2	196.9	172.7	490.7	232.4	494.5	425.0	1093.0	830.1	527.7	307.6	472.5	417.2							
	2	478.5	13.4	.	.	393.5	178.9	.	.	524.0	70.7	613.5	299.1	502.4	159.1							
	3	121.7	55.6	.	.	.	.	.	.	.	.	.	.	121.7	55.6						
	4	111.7	48.5	.	.	.	.	.	.	.	.	.	.	111.7	48.5						
	ALL	209.6	157.2	196.9	172.7	451.8	194.5	494.5	425.0	808.5	582.5	562.0	268.1	428.6	344.3							
DRIVER	1	317.7	291.7	81.4	8.0	328.7	32.6	127.0	12.7	386.5	47.4	184.1	151.1	249.8	167.1							
	2	366.0	213.5	.	.	362.0	77.8	.	.	328.0	0.0	150.0	2.8	301.8	128.1							
	3	76.3	10.1	.	.	.	.	.	.	.	.	.	.	76.3	10.1						
	4	218.5	129.4	.	.	.	.	.	.	.	.	.	.	218.5	129.4						
	ALL	252.7	204.8	81.4	8.0	342.4	49.0	127.0	12.7	357.3	43.5	167.1	89.5	250.0	152.1							
LOADER	1	245.3	145.3	113.4	48.9	298.0	8.0	708.5	426.4	629.0	342.2	457.3	171.3	393.6	263.8							
	2	284.0	52.3	.	.	289.5	55.9	.	.	308.5	47.4	495.5	157.7	344.4	116.2							
	3	82.1	1.6	.	.	.	.	.	.	.	.	.	.	82.1	1.6						
	4	91.3	31.5	.	.	.	.	.	.	.	.	.	.	91.3	31.5						
	ALL	174.2	117.3	113.4	48.9	290.6	28.9	708.5	426.4	468.8	272.1	472.6	146.0	324.9	229.8							
ALL	1	239.1	178.9	130.6	96.4	372.4	147.7	443.3	376.4	702.8	514.6	415.4	245.2	374.7	310.3							
	2	376.2	131.7	.	.	348.7	102.6	.	.	386.8	113.2	419.7	263.2	382.8	156.8							
	3	93.4	33.6	.	.	.	.	.	.	.	.	.	.	93.4	33.6						
	4	133.5	83.5	.	.	.	.	.	.	.	.	.	.	133.5	83.5						
	ALL	216.8	159.4	130.6	96.4	362.9	128.0	443.3	376.4	544.8	391.7	417.2	242.9	335.4	262.5							

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF TANK & VEHICLE TYPE														

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA														
COMBINATION OF FORT & VEHICLE TYPE														

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF T0RT & VEHICLE TYPE											
POSITION	DAY	STILL-MT09		CARSON-MT09		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		TOICONC	# OF VEH.	TOICONC	# OF VEH.	TOICONC	# OF VEH.	TOICONC	# OF VEH.	TOICONC	# OF VEH.	TOICONC	# OF VEH.
COMMAND	1	54.5	2.0	66.6	3.0	126.0	2.0	79.5	2.0	201.0	2.0	99.6	13.0
	2	463.0	2.0	68.4	2.0	68.4	2.0	86.4	1.0	86.4	1.0	87.6	7.0
	3	58.7	2.0	68.4	2.0	68.4	2.0	86.4	1.0	86.4	1.0	87.6	7.0
	4	79.1	2.0	68.4	2.0	68.4	2.0	86.4	1.0	86.4	1.0	87.6	7.0
	ALL	463.0	2.0	66.6	5.0	126.0	2.0	79.5	4.0	201.0	3.0	99.6	24.0
DRIVER	1	54.5	2.0	63.1	3.0	87.8	2.0	76.3	2.0	153.0	1.0	108.0	12.0
	2	184.0	2.0	61.4	2.0	61.4	2.0	65.2	2.0	91.7	2.0	91.7	7.0
	3	63.1	2.0	61.4	2.0	61.4	2.0	65.2	2.0	91.7	2.0	91.7	7.0
	4	224.0	2.0	61.4	2.0	61.4	2.0	65.2	2.0	91.7	2.0	91.7	7.0
	ALL	224.0	2.0	63.1	5.0	87.8	2.0	76.3	3.0	153.0	3.0	108.0	23.0
GUNNER	1	74.9	2.0	60.7	3.0	98.1	2.0	68.5	2.0	205.0	2.0	103.0	13.0
	2	220.0	2.0	60.7	3.0	98.1	2.0	68.5	2.0	205.0	2.0	103.0	13.0
	3	59.7	2.0	60.7	3.0	98.1	2.0	68.5	2.0	205.0	2.0	103.0	13.0
	4	77.8	2.0	60.7	3.0	98.1	2.0	68.5	2.0	205.0	2.0	103.0	13.0
	ALL	220.0	2.0	60.7	3.0	98.1	2.0	68.5	3.0	205.0	4.0	103.0	22.0
SCADER	1	74.9	2.0	60.7	3.0	98.1	2.0	68.5	2.0	205.0	2.0	103.0	13.0
	2	220.0	2.0	60.7	3.0	98.1	2.0	68.5	2.0	205.0	2.0	103.0	13.0
	3	59.7	2.0	60.7	3.0	98.1	2.0	68.5	2.0	205.0	2.0	103.0	13.0
	4	77.8	2.0	60.7	3.0	98.1	2.0	68.5	2.0	205.0	2.0	103.0	13.0
	ALL	220.0	2.0	60.7	3.0	98.1	2.0	68.5	3.0	205.0	4.0	103.0	22.0

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF PORT & VEHICLE TYPE															
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION DAY																	
COMMAND	1	48.7	1.2	58.4	1.6	92.4	17.5	51.8	15.7	148.7	11.0	94.3	7.5	87.8	39.0		
	2	130.0	31.1	.	.	60.2	14.8	.	.	12.7	20.0	70.4	2.3	83.3	32.9		
	3	57.5	23.4	.	.	.	.	.	.	.	.	.	.	57.5	23.4
	4	74.1	8.1	.	.	.	.	.	.	.	.	.	.	74.1	8.1
ALL		77.6	37.0	58.4	1.6	79.5	22.8	51.8	15.7	118.3	43.5	82.4	14.5	83.1	34.5		
DRIVER DAY																	
1	1	112.6	92.3	56.3	4.4	82.5	10.3	57.3	6.6	147.0	12.8	93.4	8.8	96.0	48.6		
	2	2377.0	3073.1	.	.	55.4	17.9	.	.	70.3	.	69.0	0.7	724.7	1687.6		
	3	82.9	66.6	.	.	.	.	.	.	.	.	.	.	82.9	66.6
	4	76.0	9.5	.	.	.	.	.	.	.	.	.	.	76.0	9.5
ALL		601.1	1482.3	56.3	4.4	71.7	18.8	57.3	6.6	127.8	39.7	81.2	15.0	262.8	875.7		
LOADER DAY																	
1	1	123.6	115.0	55.9	4.1	85.3	11.4	56.4	4.2	151.0	14.7	98.5	6.4	98.4	49.0		
	2	128.3	46.3	.	.	59.9	16.1	.	.	66.8	14.9	70.5	0.3	81.4	35.1		
	3	53.1	24.0	.	.	.	.	.	.	.	.	.	.	53.1	24.0
	4	71.0	3.7	.	.	.	.	.	.	.	.	.	.	71.0	3.7
ALL		94.0	59.1	55.9	4.1	75.2	18.0	56.4	4.2	117.3	47.8	84.5	16.6	87.6	42.6		
ALL DAY																	
1	1	97.5	78.6	56.9	3.0	86.8	12.4	55.2	8.3	148.9	11.3	95.4	6.4	94.1	45.0		
	2	878.4	1799.1	.	.	58.5	12.9	.	.	69.9	12.8	70.0	1.3	277.9	932.1		
	3	64.5	36.3	.	.	.	.	.	.	.	.	.	.	64.5	36.3
	4	73.7	6.3	.	.	.	.	.	.	.	.	.	.	73.7	6.3
ALL		271.3	893.1	56.9	3.0	75.5	18.8	55.2	8.3	120.7	40.9	82.7	14.0	144.5	507.0		

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE																			
		SULL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL	
		TOTCONC			TOTCONC			TOTCONC			TOTCONC			TOTCONC			TOTCONC			TOTCONC	
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD
POSITION DAY																					
COMMAND	1	54.1	0.5	63.6	4.2	94.7	29.6	73.0	9.1	163.5	53.0	97.0	3.7	91.3	41.0						
	2	385.5	109.6	.	.	58.7	13.7	.	.	71.7	20.7	87.6	.	159.9	161.1						
	3	55.3	4.8	.	.	.	.	.	.	.	.	.	.	55.3	4.8						
	4	77.9	1.6	.	.	.	.	.	.	.	.	.	.	77.9	1.6						
ALL		143.2	155.5	63.6	4.2	80.3	29.6	73.0	9.1	117.6	62.3	93.9	6.0	107.2	94.6						
DRIVER	1	50.9	5.1	58.6	6.4	71.1	14.5	67.5	12.4	140.0	18.4	108.0	.	79.6	33.2						
	2	182.0	2.8	.	.	54.0	10.4	.	.	65.2	.	90.7	1.3	102.7	56.5						
	3	58.2	6.9	.	.	.	.	.	.	.	.	.	.	58.2	6.9						
	4	150.3	104.2	.	.	.	.	.	.	.	.	.	.	150.3	104.2						
ALL		110.3	72.6	58.6	6.4	64.3	14.8	67.5	12.4	115.1	45.1	96.5	10.0	90.9	49.5						
GUNNER	1									64.9	6.7	150.5	37.5	97.0	3.7	104.1	42.3				
	2											68.6	.	78.9	8.4	75.5	8.4				
	3																				
	4																				
ALL										64.9	6.7	123.2	54.2	88.0	11.7	94.6	36.6				
LOADER	1																				
	2																				
	3																				
	4																				
ALL																					
ALL	1	57.0	9.4	60.1	4.7	80.2	22.2	67.9	7.3	154.6	35.2	99.1	5.2	88.6	38.6						

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

9

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
	2	244.3	124.9			56.4	10.3			71.0	11.3	82.7	7.8
	3	56.6	4.5									56.6	4.5
	4	99.6	61.2									99.6	61.2
ALL		114.4	102.1	60.1	4.7	72.9	22.1	67.9	7.3	122.5	50.6	90.9	10.6
												95.7	64.1

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

12

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE															
	SHEL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL		
	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	
POSITION DAY															
COMMAND	1	2.0	139.0	2.0	209.0	3.0	497.0	2.0	17.0	3.0	761.0	2.0	135.0	14.0	761.0
	2	2.0	291.0	.	2.0	259.0	.	.	2.0	826.0	2.0	85.3	8.0	826.0	
	3	2.0	189.0	.	.	.	.	.	.	.	.	.	2.0	189.0
	4	2.0	127.0	.	.	.	.	.	.	.	.	.	2.0	127.0
ALL															
8.0	291.0	2.0	209.0	5.0	497.0	2.0	17.0	5.0	826.0	4.0	135.0	26.0	826.0		
DRIVER DAY															
1	3.0	351.0	2.0	194.0	3.0	424.0	2.0	16.3	3.0	770.0	2.0	132.0	15.0	770.0	
2	2.0	18400.0	.	2.0	252.0	.	.	1.0	914.0	2.0	81.2	7.0	18400.0		
3	2.0	338.0	.	.	.	.	.	.	.	.	.	2.0	338.0	
4	2.0	113.0	.	.	.	.	.	.	.	.	.	2.0	113.0	
ALL															
9.0	18400.0	2.0	194.0	5.0	424.0	2.0	76.3	4.0	914.0	4.0	132.0	26.0	18400.0		
LOADER DAY															
1	2.0	566.0	2.0	214.0	3.0	419.0	2.0	71.9	3.0	820.0	2.0	142.0	14.0	820.0	
2	2.0	294.0	.	2.0	259.0	.	.	2.0	735.0	2.0	83.7	8.0	735.0		
3	2.0	185.0	.	.	.	.	.	.	.	.	.	2.0	185.0	
4	2.0	117.0	.	.	.	.	.	.	.	.	.	2.0	117.0	
ALL															
8.0	566.0	2.0	214.0	5.0	419.0	2.0	71.9	5.0	820.0	4.0	142.0	26.0	820.0		
ALL DAY															
1	7.0	566.0	6.0	214.0	9.0	497.0	6.0	77.0	9.0	820.0	6.0	142.0	43.0	820.0	
2	6.0	18400.0	.	6.0	259.0	.	.	5.0	914.0	6.0	85.3	23.0	18400.0		
3	6.0	338.0	.	.	.	.	.	.	.	.	.	6.0	338.0	
4	6.0	127.0	.	.	.	.	.	.	.	.	.	6.0	127.0	

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

13

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL			
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	25.018400.0	6.01214.0	15.01497.0	6.0177.0	14.01914.0	12.01142.0	78.018400.0			

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SHE-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMAND	1	2.0	144.0	2.0	227.0	3.0	565.0	2.0	94.6	2.0	905.0	2.0	143.0
	2	2.0	1180.0	.	2.0	251.0	.	2.0	821.0	1.0	104.0	7.0	1180.0
	3	2.0	99.2	.	.	.	.	.	.	.	.	2.0	99.2
	4	2.0	118.0	.	.	.	.	.	.	.	.	2.0	118.0
	ALL	8.0	1180.0	2.0	227.0	5.0	565.0	2.0	94.6	4.0	905.0	3.0	143.0
DRIVER	1	2.0	144.0	2.0	215.0	3.0	395.0	2.0	89.7	2.0	719.0	1.0	134.0
	2	2.0	298.0	.	2.0	226.0	.	1.0	619.0	2.0	107.0	7.0	619.0
	3	2.0	122.0	.	.	.	.	.	.	.	.	2.0	122.0
	4	2.0	334.0	.	.	.	.	.	.	.	.	2.0	334.0
	ALL	8.0	334.0	2.0	215.0	5.0	395.0	2.0	89.7	3.0	719.0	3.0	134.0
GUNNER	1	.	.	.	.	.	.	2.0	82.1	2.0	743.0	2.0	143.0
	2	.	.	.	.	.	.	1.0	652.0	2.0	99.2	3.0	652.0
	3	.	.	.	.	.	.	2.0	82.1	3.0	743.0	4.0	143.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	8.0	334.0	2.0	215.0	5.0	395.0	2.0	89.7	3.0	719.0	3.0	134.0
LOADER	1	2.0	196.0	2.0	207.0	3.0	441.0	2.0	80.6	2.0	934.0	2.0	143.0
	2	2.0	333.0	.	.	.	.	1.0	737.0	2.0	92.4	5.0	737.0
	3	2.0	107.0	.	.	.	.	.	.	.	.	2.0	107.0
	4	2.0	116.0	.	.	.	.	.	.	.	.	2.0	116.0
	ALL	8.0	333.0	2.0	207.0	3.0	441.0	2.0	80.6	3.0	934.0	4.0	143.0

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF PORT & VEHICLE TYPE													
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL
	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC
ALL	1 DAY	6.0	196.0	6.0	227.0	9.0	565.0	8.0	94.6	8.0	934.0	7.0	143.0
1		6.0	1180.0	6.0	122.0	4.0	251.0	4.0	94.6	5.0	821.0	7.0	107.0
2		6.0	122.0	6.0	334.0	6.0	1180.0	6.0	227.0	13.0	565.0	8.0	94.6
3		6.0	122.0	6.0	334.0	6.0	1180.0	6.0	227.0	13.0	565.0	8.0	94.6
4		6.0	122.0	6.0	334.0	6.0	1180.0	6.0	227.0	13.0	565.0	8.0	94.6
ALL		24.0	1180.0	24.0	1180.0	24.0	1180.0	24.0	1180.0	24.0	1180.0	24.0	1180.0

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORI & VEHICLE TYPE																					
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				KNOX-M1				ALL	
		FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION/DAY																							
COMMAND		1	134.5	6.4	199.0	14.1	412.3	74.0	64.8	17.2	701.7	101.9	129.5	7.8	314.1	247.3							
		2	286.0	7.1	.	249.5	13.4	.	.	793.5	46.0	82.8	3.5	353.0	284.6								
		3	148.0	58.0	.	.	.	.	.	.	.	.	.	148.0	58.0						
		4	109.5	24.7	.	.	.	.	.	.	.	.	.	109.5	24.7						
ALL		1	169.5	77.3	199.0	14.1	347.2	103.6	64.8	17.2	738.4	90.8	106.2	27.4	297.6	245.8							
DRIVER		DAY																					
		1	226.0	109.7	193.0	1.4	370.0	55.6	72.1	5.9	697.3	93.4	128.0	5.7	311.1	229.4							
		2	4376.5	5690.1	.	229.5	31.8	.	.	914.0	.	81.1	0.1	11469.8	3069.2								
		3	215.8	172.9	.	.	.	.	.	.	.	.	.	215.8	172.9						
		4	111.5	2.1	.	.	.	.	.	.	.	.	.	111.5	2.1						
ALL		1	1120.6	2731.9	193.0	1.4	313.8	87.9	72.1	5.9	751.5	132.5	104.6	27.2	600.3	1607.5							
LOADER		DAY																					
		1	343.0	315.4	191.5	31.8	380.7	33.2	70.4	2.1	728.7	150.5	135.0	9.9	343.4	260.1							
		2	284.0	14.1	.	247.0	17.0	.	.	733.5	2.1	82.9	1.1	336.9	258.0								
		3	139.4	64.5	.	.	.	.	.	.	.	.	.	139.4	64.5						
		4	104.5	17.7	.	.	.	.	.	.	.	.	.	104.5	17.7						
ALL		1	217.7	161.3	191.5	31.8	327.2	77.4	70.4	2.1	730.6	106.4	109.0	30.6	307.3	246.1							
ALL		DAY																					
		1	233.3	167.0	194.5	16.0	387.7	52.7	69.1	8.9	709.2	103.2	130.8	7.0	322.6	240.1							
		2	1648.8	3307.5	.	242.0	19.8	.	.	793.6	77.2	82.3	1.9	687.3	1701.8								
		3	167.7	94.2	.	.	.	.	.	.	.	.	.	167.7	94.2						
		4	108.5	14.0	.	.	.	.	.	.	.	.	.	108.5	14.0						
ALL		1	527.3	1644.3	194.5	16.0	329.4	84.8	69.1	8.9	739.4	100.7	106.6	25.8	401.7	947.8							

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

19

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TURT & VEHICLE TYPE															
		STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION DAY																	
COMMAND																	
		144.0	0.0	209.5	24.7	421.0	125.6	86.5	11.5	809.0	135.8	133.5	13.4	309.8	261.9		
		850.5	466.0	.	.	244.0	9.9	.	.	781.5	55.9	104.0	.	550.9	386.1		
		97.6	2.3	.	.	.	.	.	.	.	.	.	.	97.6	2.3		
		109.5	12.0	.	.	.	.	.	.	.	.	.	.	109.5	12.0		
ALL		300.4	383.0	209.5	24.7	350.2	131.6	86.5	11.5	795.3	86.2	123.7	19.5	345.8	313.7		
DRIVER																	
		134.0	14.1	190.0	35.4	351.7	42.5	79.8	14.0	712.0	9.9	134.0	.	285.0	224.4		
		296.5	16.3	.	.	225.5	0.7	.	.	619.0	.	106.5	0.7	268.0	173.6		
		109.1	18.2	.	.	.	.	.	.	.	.	.	.	109.1	18.2		
		217.5	164.8	.	.	.	.	.	.	.	.	.	.	217.5	164.8		
ALL		189.3	101.0	190.0	35.4	301.2	75.4	79.8	14.0	681.0	54.1	115.7	15.9	258.7	193.0		
GUNNER																	
		.	.	.	.	.	.	76.8	7.4	722.0	29.7	133.5	13.4	310.8	319.9		
		.	.	.	.	.	.	.	.	652.0	.	92.8	9.0	279.2	322.9		
ALL		.	.	.	.	.	.	76.8	7.4	698.7	45.5	113.2	25.3	300.3	300.4		
LOADER																	
		173.0	32.5	189.5	24.7	368.3	65.7	78.3	3.3	801.5	187.4	135.5	10.6	297.0	253.6		
		307.5	36.1	.	.	.	.	.	.	737.0	.	89.4	4.2	306.2	265.0		
		103.1	5.5	.	.	.	.	.	.	.	.	.	.	103.1	5.5		
		99.1	23.8	.	.	.	.	.	.	.	.	.	.	99.1	23.8		
ALL		170.7	92.4	189.5	24.7	368.3	65.7	78.3	3.3	780.0	137.6	112.5	27.4	263.5	237.3		
ALL																	
		150.3	24.1	196.3	24.5	380.3	80.4	80.4	8.5	761.1	100.2	134.1	8.9	299.4	249.0		

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	1 DAY												
	2	484.8	352.1	. .	234.8	12.1	. .	714.2	80.0	97.4	8.9	368.2	301.7
	3	103.3	10.0	. .	. .	. .	. .	. .	. .	. .	. .	103.3	10.0
	4	142.0	94.9	. .	. .	. .	. .	. .	. .	. .	. .	142.0	94.9
	ALL	220.1	231.9	196.3	24.5	335.5	96.1	80.4	8.5	743.1	92.5	115.8	20.9
												291.6	257.4

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

1

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND	1	2.0	166.0	2.0	306.0	2.0	160.0	2.0	525.0	2.0	355.0	10.0	525.0
	2	2.0	506.0	2.0	580.0			2.0	1330.0	2.0	208.0	8.0	1330.0
	3	2.0	238.0									2.0	238.0
	4	2.0	269.0									2.0	269.0
	ALL	8.0	506.0	4.0	580.0	2.0	160.0	4.0	1330.0	4.0	355.0	22.0	1330.0
DRIVER DAY													
	1	2.0	193.0	2.0	323.0	2.0	231.0	2.0	555.0	2.0	355.0	10.0	555.0
	2	2.0	524.0	2.0	630.0			2.0	1360.0	2.0	1870.0	8.0	1870.0
	3	2.0	123.0									2.0	123.0
	4	2.0	245.0									2.0	245.0
	ALL	8.0	524.0	4.0	630.0	2.0	231.0	4.0	1360.0	4.0	1870.0	22.0	1870.0
LOADER DAY													
	1	2.0	177.0	2.0	319.0	2.0	168.0	2.0	499.0	2.0	990.0	10.0	990.0
	2	2.0	484.0	2.0	1280.0			2.0	1300.0	3.0	508.0	9.0	1300.0
	3	2.0	158.0									2.0	158.0
	4	2.0	335.0									2.0	335.0
	ALL	8.0	484.0	4.0	1280.0	2.0	168.0	4.0	1300.0	5.0	990.0	23.0	1300.0
ALL DAY													
	1	6.0	193.0	6.0	323.0	6.0	231.0	6.0	555.0	6.0	990.0	30.0	990.0
	2	6.0	524.0	6.0	1280.0			6.0	1360.0	7.0	1870.0	25.0	1870.0
	3	6.0	238.0									6.0	238.0
	4	6.0	335.0									6.0	335.0
	ALL	24.0	524.0	24.0	1280.0	24.0	231.0	24.0	1360.0	24.0	1870.0	96.0	1870.0

(CONTINUED)

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE									
		STILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC			
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	24.0	524.0	12.0	1280.0	6.0	231.0	12.0	1360.0	13.0	1870.0

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	153.0	18.4	263.0	60.8	145.0	21.2	397.5	180.3	306.0	69.3	252.9	121.4
	2	491.0	21.2	384.0	277.2			1045.0	403.1	193.0	21.2	528.3	386.1
	3	184.5	75.7									184.5	75.7
	4	261.0	11.3									261.0	11.3
ALL		272.4	144.6	323.5	178.1	145.0	21.2	721.3	452.5	249.5	77.5	347.5	276.1
DRIVER	DAY												
	1	166.5	37.5	277.5	64.3	211.5	27.6	405.0	212.1	306.0	69.3	273.3	117.1
	2	478.0	65.1	465.0	233.3			1144.0	305.5	1020.0	1202.1	776.8	580.4
	3	118.5	6.4									118.5	6.4
LOADER	DAY												
	1	158.0	26.9	270.5	68.6	149.0	26.9	364.5	190.2	623.5	518.3	313.1	261.3
	2	465.0	26.9	852.5	604.6			1051.0	352.1	300.3	180.5	626.4	416.7
	3	137.5	29.0									137.5	29.0
ALL		264.4	142.7	561.5	486.1	149.0	26.9	707.8	458.8	429.6	338.8	419.0	350.0
ALL	DAY												
	1	159.2	23.0	270.3	50.5	168.5	38.7	389.0	152.0	411.8	287.3	279.8	175.1
	2	478.0	34.9	567.2	386.7			1080.0	280.0	475.3	626.5	643.1	458.3
	3	146.8	47.4									146.8	47.4
ALL		262.2	139.9	418.8	305.2	168.5	38.7	734.5	420.0	446.0	481.4	402.1	355.8

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMAND	1	2.0	729.0	2.0	1450.0	2.0	203.0	2.0	2920.0	2.0	531.0	10.0	2920.0
	2	2.0	946.0	2.0	957.0			2.0	2670.0	2.0	297.0	8.0	2670.0
	3	2.0	760.0									2.0	760.0
	4	2.0	371.0									2.0	371.0
	ALL	8.0	946.0	4.0	1450.0	2.0	203.0	4.0	2920.0	4.0	531.0	22.0	2920.0
DRIVER	1	2.0	820.0	2.0	1540.0	2.0	293.0	2.0	2750.0	2.0	531.0	10.0	2750.0
	2	2.0	913.0	2.0	1530.0			2.0	3020.0	2.0	2660.0	8.0	3020.0
	3	2.0	398.0									2.0	398.0
	4	2.0	338.0									2.0	338.0
	ALL	8.0	913.0	4.0	1540.0	2.0	293.0	4.0	3020.0	4.0	2660.0	22.0	3020.0
LOADER	1	2.0	741.0	2.0	1470.0	2.0	210.0	2.0	2470.0	2.0	1480.0	10.0	2470.0
	2	2.0	882.0	2.0	2170.0			2.0	2610.0	3.0	724.0	9.0	2610.0
	3	2.0	520.0									2.0	520.0
	4	2.0	488.0									2.0	488.0
	ALL	8.0	882.0	4.0	2170.0	2.0	210.0	4.0	2610.0	5.0	1480.0	23.0	2610.0
ALL	1	6.0	820.0	6.0	1540.0	6.0	293.0	6.0	2920.0	6.0	1480.0	30.0	2920.0
	2	6.0	946.0	6.0	2170.0			6.0	3020.0	7.0	2660.0	25.0	3020.0
	3	6.0	760.0									6.0	760.0
	4	6.0	488.0									6.0	488.0
	ALL	24.0	2920.0	24.0	6180.0	12.0	586.0	24.0	8550.0	28.0	6180.0	81.0	8550.0

(CONTINUED)

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE												

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMAND	1	533.5	276.5	1415.0	49.5	184.5	26.2	12720.0	282.8	442.0	125.9	1059.0	988.3
	2	898.5	67.2	913.5	61.5			12570.0	141.4	274.0	32.5	1164.0	912.9
	3	583.5	249.6									583.5	249.6
	4	367.5	4.9									367.5	4.9
	ALL	595.8	250.4	1164.3	293.1	184.5	26.2	12645.0	202.1	358.0	122.6	991.1	875.1
DRIVER	DAY												
	1	579.0	340.8	1495.0	63.6	270.5	31.8	12680.0	99.0	442.0	125.9	1093.3	956.6
	2	880.5	46.0	1237.5	413.7			12865.0	219.2	1450.5	1710.5	1608.4	11048.1
	3	385.0	18.4									385.0	18.4
	4	333.5	6.4									333.5	6.4
	ALL	544.5	263.7	1366.3	283.7	270.5	31.8	12772.5	175.2	946.3	1148.7	1147.1	979.4
LOADER	DAY												
	1	538.5	286.4	1455.0	21.2	188.0	31.1	12460.0	14.1	916.5	796.9	1111.6	883.8
	2	859.0	32.5	12045.0	176.8			12605.0	7.1	427.0	258.1	1366.6	956.4
	3	442.0	110.3									442.0	110.3
	4	423.0	91.9									423.0	91.9
	ALL	565.6	223.1	1150.0	355.8	188.0	31.1	12532.5	84.2	622.8	513.8	1093.3	873.6
ALL	DAY												
	1	550.3	235.4	1455.0	51.7	214.3	49.3	12620.0	183.5	600.2	439.8	1088.0	911.1
	2	879.3	43.0	1398.7	559.4			12680.0	185.5	675.7	891.5	1379.1	949.4
	3	470.2	152.7									470.2	152.7
	4	374.7	57.8									374.7	57.8
	ALL	568.6	236.3	1426.8	379.9	214.3	49.3	12650.0	178.7	640.8	692.5	1077.4	898.6

SAMPLE TYPE GENERAL AREA

(CONTINUED)

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SAMPLE TYPE BREATHING ZONE														
COMBINATION OF TUBE & VEHICLE TYPE														
STILL-MT09		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL				
TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC				
# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.
POSITION DAY														
COMMAND														
1	2.0	524.0	2.0	308.0	2.0	174.0	2.0	1390.0	2.0	893.0	10.0	1390.0		
2	2.0	834.0	2.0	1170.0	.	.	2.0	1320.0	2.0	601.0	8.0	1320.0		
3	2.0	5150.0	.	.	.	.	.	.	.	.	2.0	5150.0		
4	2.0	409.0	.	.	.	.	.	.	.	.	2.0	409.0		
ALL	8.0	5150.0	4.0	1170.0	2.0	174.0	4.0	1390.0	4.0	893.0	22.0	5150.0		
DRIVER														
1	2.0	570.0	2.0	336.0	2.0	3680.0	2.0	913.0	2.0	436.0	10.0	3680.0		
2	2.0	724.0	2.0	1320.0	.	.	2.0	1450.0	2.0	266.0	8.0	1450.0		
3	2.0	268.0	.	.	.	.	.	.	.	.	2.0	268.0		
4	2.0	348.0	.	.	.	.	.	.	.	.	2.0	348.0		
ALL	8.0	724.0	4.0	1320.0	2.0	3680.0	4.0	1450.0	4.0	436.0	22.0	3680.0		
GUNNER														
1	.	.	.	.	1.0	374.0	2.0	739.0	2.0	1050.0	5.0	1050.0		
2	.	.	.	.	.	.	2.0	1870.0	2.0	524.0	4.0	1870.0		
ALL	.	.	.	.	1.0	374.0	4.0	1870.0	4.0	1050.0	9.0	1870.0		
LOADER														
1	2.0	266.0	2.0	674.0	2.0	625.0	2.0	1160.0	2.0	1040.0	10.0	1160.0		
2	2.0	1070.0	2.0	1230.0	.	.	2.0	1380.0	2.0	761.0	8.0	1380.0		
3	2.0	267.0	.	.	.	.	.	.	.	.	2.0	267.0		
4	2.0	334.0	.	.	.	.	.	.	.	.	2.0	334.0		
ALL	8.0	1070.0	4.0	1230.0	2.0	625.0	4.0	1380.0	4.0	1040.0	22.0	1380.0		

(CONTINUED)

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	1 DAY												
	1	6.0	570.0	6.0	674.0	7.0	3680.0	8.0	1390.0	8.0	1050.0	35.0	3680.0
	2	6.0	11070.0	6.0	1320.0			8.0	1870.0	8.0	761.0	28.0	1870.0
	3	6.0	5150.0									6.0	5150.0
	4	6.0	409.0									6.0	409.0
	ALL	24.0	5150.0	12.0	1320.0	7.0	3680.0	16.0	1870.0	16.0	1050.0	75.0	5150.0

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL								
		TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC	TOI CONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY															
COMMAND															
1		1115.5	1321.6	309.0	8.5	308.5	40.3	1848.0	1275.6	409.0	76.4	798.0	884.9		
2		638.0	231.9	1259.5	1004.8			1066.0	429.9	362.5	265.2	831.5	574.4		
3		281.0	104.7									281.0	104.7		
4		291.5	54.4									291.5	54.4		
ALL		581.5	625.6	784.3	798.6	308.5	40.3	1457.0	898.8	385.8	161.6	717.1	699.8		
DRIVER															
DAY															
1		439.0	123.0	16312.0	8609.7	437.0	175.4	796.0	585.5	306.0	69.3	1658.0	3785.0		
2		715.0	282.8	1118.0	667.5			2239.0	1910.6	503.0	110.3	1143.8	1054.1		
3		149.0	50.9									149.0	50.9		
4		239.0	17.0									239.0	17.0		
ALL		385.5	260.7	13715.0	5818.1	437.0	175.4	1517.5	11423.1	404.5	136.4	1204.8	2608.5		
LOADER															
DAY															
1		239.5	78.5	509.0	289.9	365.0	43.8	1488.0	1134.2	522.5	236.9	624.8	615.0		
2		475.5	30.4	2369.5	2433.2			1072.5	321.7	336.0	72.7	982.6	1207.6		
3		122.5	7.8									122.5	7.8		
4		278.0	33.9									278.0	33.9		
ALL		278.9	140.2	1439.3	1776.3	365.0	43.8	1280.3	721.7	410.6	164.6	691.0	875.7		
ALL															
DAY															
1		598.0	722.6	2376.7	14913.5	370.2	100.9	1377.3	938.1	412.5	150.8	1026.9	2240.0		
2		609.5	197.2	1582.3	1360.5			1459.2	1073.6	391.3	146.5	985.8	960.6		
3		184.2	92.1									184.2	92.1		
4		269.5	38.4									269.5	38.4		
ALL		415.3	402.7	1979.5	3462.3	370.2	100.9	1418.3	962.2	401.1	142.6	868.3	1622.6		

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORK & VEHICLE TYPE											
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	443.5	113.8	327.0	29.7	592.5	256.7	1017.0	527.5	851.0	59.4	646.2	335.3
	2	759.0	106.1	852.5	449.0			11052.0	379.0	537.5	89.8	800.3	302.0
	3	2664.0	3515.7									2664.0	3515.7
	4	319.5	126.6									319.5	126.6
	ALL	1046.5	1672.6	589.8	399.4	592.5	256.7	1034.5	375.6	694.3	191.4	856.0	1014.3
DRIVER	1	454.5	163.3	326.0	14.1	2134.0	2186.4	782.0	185.3	399.0	52.3	819.1	11022.5
	2	568.5	219.9	1049.5	382.5			11245.0	289.9	223.5	60.1	771.6	473.3
	3	222.0	65.1									222.0	65.1
	4	310.0	53.7									310.0	53.7
	ALL	388.8	178.7	687.8	472.6	2134.0	2186.4	1013.5	333.0	311.3	111.3	701.3	753.7
GUNNER	1												
	2												
	3												
	4												
LOADER	1	214.5	72.8	548.5	177.5	515.5	154.9	813.5	490.0	811.5	323.1	580.7	316.1
	2	872.0	280.0	865.5	515.5			11106.5	386.8	653.5	152.0	874.4	321.2
	3	229.0	53.7									229.0	53.7
	4	298.5	50.2									298.5	50.2
ALL	1	403.5	312.2	707.0	364.1	515.5	154.9	960.0	398.2	732.5	225.5	629.9	356.6
	2												
	3												
	4												
ALL	1	370.8	153.9	400.5	140.2	979.7	1199.5	790.6	347.2	702.0	280.5	669.3	594.4
	2												
	3												
	4												

(CONTINUED)

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

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SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN
ALL	DAY											
2	733.2	215.5	922.5	363.9	.1171.9	403.1	480.3	183.3	826.8	398.5		
3	1038.3	2014.7	.1	.1	.1	.1	.1	.1	1038.3	2014.7		
4	309.3	66.1	.1	.1	.1	.1	.1	.1	309.3	66.1		
ALL	612.9	994.5	661.5	378.8	979.7	1199.5	981.3	413.3	591.1	256.0	728.9	722.6

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMAND	1	2.0	9000.0	2.0	2070.0	2.0	431.0	2.0	13200	2.0	636.0	10.0	13200
	2	2.0	1500.0	2.0	2960.0	.	.	2.0	2740.0	2.0	783.0	8.0	2960.0
	3	2.0	1100.0	.	.	.	.	.	.	.	.	2.0	1100.0
	4	2.0	456.0	.	.	.	.	.	.	.	.	2.0	456.0
	ALL	8.0	9000.0	4.0	2960.0	2.0	431.0	4.0	13200	4.0	783.0	22.0	13200
DRIVER DAY													
1		2.0	2240.0	2.0	55600	2.0	711.0	2.0	5700.0	2.0	531.0	10.0	55600
2		2.0	1800.0	2.0	3290.0	.	.	2.0	7190.0	2.0	827.0	8.0	7190.0
3		2.0	600.0	.	.	.	.	.	.	.	.	2.0	600.0
4		2.0	347.0	.	.	.	.	.	.	.	.	2.0	347.0
ALL		8.0	2240.0	4.0	55600	2.0	711.0	4.0	7190.0	4.0	827.0	22.0	55600
LOADER DAY													
1		2.0	1230.0	2.0	4730.0	2.0	506.0	2.0	11200	2.0	947.0	10.0	11200
2		2.0	905.0	2.0	6140.0	.	.	2.0	2750.0	3.0	592.0	9.0	6140.0
3		2.0	399.0	.	.	.	.	.	.	.	.	2.0	399.0
4		2.0	439.0	.	.	.	.	.	.	.	.	2.0	439.0
ALL		8.0	1230.0	4.0	6140.0	2.0	506.0	4.0	11200	5.0	947.0	23.0	11200
ALL DAY													
1		6.0	9000.0	6.0	55600	6.0	711.0	6.0	13200	6.0	947.0	30.0	55600
2		6.0	1800.0	6.0	6140.0	.	.	6.0	7190.0	7.0	827.0	25.0	7190.0
3		6.0	1100.0	.	.	.	.	.	.	.	.	6.0	1100.0
4		6.0	456.0	.	.	.	.	.	.	.	.	6.0	456.0

(CONTINUED)

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF
		VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.
POSITION	DAY	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
COMMAND	1	2.0	2080.0	2.0	2310.0	2.0	933.0	2.0	6760.0	2.0	1210.0	10.0	6760.0
	2	2.0	1710.0	2.0	2730.0	.	.	2.0	2630.0	2.0	856.0	8.0	2730.0
	3	2.0	10600	.	.	.	.	.	.	.	.	2.0	10600
	4	2.0	565.0	.	.	.	.	.	.	.	.	2.0	565.0
	ALL	8.0	10600	4.0	2730.0	2.0	933.0	4.0	6760.0	4.0	1210.0	22.0	10600
DRIVER	1	2.0	2280.0	2.0	1680.0	2.0	4510.0	2.0	6900.0	2.0	541.0	10.0	6900.0
	2	2.0	1240.0	2.0	3970.0	.	.	2.0	3380.0	2.0	379.0	8.0	3970.0
	3	2.0	586.0	.	.	.	.	.	.	.	.	2.0	586.0
	4	2.0	497.0	.	.	.	.	.	.	.	.	2.0	497.0
	ALL	8.0	2280.0	4.0	3970.0	2.0	4510.0	4.0	6900.0	4.0	541.0	22.0	6900.0
GUNNER	1	.	.	.	.	1.0	464.0	2.0	3750.0	2.0	1580.0	5.0	3750.0
	2	.	.	.	.	.	.	2.0	3750.0	2.0	741.0	4.0	3750.0
	3	.	.	.	.	1.0	464.0	4.0	3750.0	4.0	1580.0	9.0	3750.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	8.0	2280.0	4.0	3970.0	2.0	4510.0	4.0	6900.0	4.0	541.0	22.0	6900.0
LOADER	1	2.0	1050.0	2.0	3030.0	2.0	773.0	2.0	4950.0	2.0	1560.0	10.0	4950.0
	2	2.0	2200.0	2.0	2560.0	.	.	2.0	2750.0	2.0	1080.0	8.0	2750.0
	3	2.0	586.0	.	.	.	.	.	.	.	.	2.0	586.0
	4	2.0	462.0	.	.	.	.	.	.	.	.	2.0	462.0
	ALL	8.0	2200.0	4.0	3030.0	2.0	773.0	4.0	4950.0	4.0	1560.0	22.0	4950.0

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF PORT & VEHICLE TYPE																							
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION		DAY																							
COMMAND		1	4718.5	16055.0	1715.0	502.0	393.0	53.7	11750	2050.6	583.5	74.2	3832.0	4964.4											
		2	1173.0	462.4	2880.0	113.1			12610.0	183.8	515.5	378.3	1794.6	11078.0											
		3	881.0	309.7									881.0	309.7											
		4	410.0	65.1									410.0	65.1											
		ALL	1795.6	2936.3	2297.5	735.3	393.0	53.7	17180.0	5409.2	549.5	226.0	2511.8	3557.3											
DRIVER		DAY																							
		1	1544.0	984.3	28540	38269	558.0	216.4	4910.0	1117.2	442.0	125.9	7198.8	17100											
		2	1348.5	638.5	2840.0	636.4			15040.0	3040.6	714.0	159.8	2485.6	2146.3											
		3	484.5	163.3									484.5	163.3											
		4	338.0	12.7									338.0	12.7											
		ALL	928.8	717.7	15690	26617	558.0	216.4	4975.0	1871.7	578.0	196.1	4250.8	11618											
LOADER		DAY																							
		1	836.5	556.5	3050.0	2375.9	462.0	62.2	9285.0	2708.2	739.0	294.2	2874.5	3722.3											
		2	878.0	38.2	4725.0	2001.1			12680.0	99.0	476.7	104.3	1999.6	1913.5											
		3	391.5	10.6									391.5	10.6											
		4	395.0	62.2									395.0	62.2											
		ALL	625.3	326.8	3887.5	2037.6	462.0	62.2	9982.5	4121.9	581.6	218.4	2100.6	2794.0											
ALL		DAY																							
		1	2366.3	33317.8	11102	21838	471.0	127.3	86648.3	3486.8	588.2	198.1	4635.1	10308											
		2	1133.2	412.1	13481.7	1346.2			13443.3	1840.7	555.6	209.2	2089.5	11728.4											
		3	585.7	280.4									585.7	280.4											
		4	381.0	53.0									381.0	53.0											
		ALL	1116.5	1752.1	7291.7	15278	471.0	127.3	6045.8	3802.0	570.6	196.2	2941.7	7103.4											

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

19

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		FIRECONC			FIRECONC			FIRECONC			FIRECONC		
		MEAN	STD	ALL	MEAN	STD	ALL	MEAN	STD	ALL	MEAN	STD	ALL
POSITION DAY													
COMMAND	1	1478.0	851.4	1845.0	657.6	721.5	299.1	6450.0	438.4	1155.0	77.8	2329.9	2242.3
	2	1450.0	367.7	2240.0	693.0			2590.0	56.6	763.0	131.5	1760.8	815.5
	3	15490.0	7226.6									15490.0	7226.6
	4	447.0	166.9									447.0	166.9
	ALL	12216.3	3444.9	2042.5	596.8	721.5	299.1	4520.0	2243.1	959.0	242.9	2239.0	2503.6
DRIVER													
GUNNER	1	1549.0	1033.8	1550.0	183.8	12620.0	2672.9	5530.0	1937.5	539.0	2.8	2357.6	2147.2
	2	1044.0	277.2	2975.0	1407.1			3140.0	339.4	317.0	87.7	1869.0	1416.0
	3	476.5	154.9									476.5	154.9
	4	436.5	85.6									436.5	85.6
	ALL	876.5	637.5	2262.5	1161.1	12620.0	2672.9	4335.0	1787.1	428.0	137.8	1834.3	1771.5
LOADER													
GUNNER	1					464.0		3575.0	247.5	1062.5	731.9	1947.8	1554.2
	2							3010.0	1046.5	718.5	31.8	1864.3	1454.6
	3							3292.5	701.3	890.5	467.2	1910.7	1415.3
	4												
	ALL												
LOADER													
GUNNER	1	721.5	464.6	2575.0	643.5	638.5	190.2	4925.0	35.4	1139.0	595.4	1999.8	1740.2
	2	1685.0	728.3	2205.0	502.0			2730.0	28.3	925.5	218.5	1886.4	791.5
	3	487.0	140.0									487.0	140.0
	4	419.0	60.8									419.0	60.8
	ALL	828.1	635.6	2390.0	517.4	638.5	190.2	3827.5	1267.6	1032.3	386.4	1677.3	1363.7
ALL													
DAY	1	1249.5	755.1	1990.0	631.5	1203.4	1468.1	5120.0	1348.7	973.9	448.8	2188.9	1915.8

(CONTINUED)

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UC/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	1393.0	482.3	2473.3	832.9	12867.5	477.4	681.0	260.4	1842.4	1045.3	12151.2	4140.3
1	1393.0	482.3	2473.3	832.9	12867.5	477.4	681.0	260.4	1842.4	1045.3	12151.2	4140.3
2	1393.0	482.3	2473.3	832.9	12867.5	477.4	681.0	260.4	1842.4	1045.3	12151.2	4140.3
3	1393.0	482.3	2473.3	832.9	12867.5	477.4	681.0	260.4	1842.4	1045.3	12151.2	4140.3
4	1393.0	482.3	2473.3	832.9	12867.5	477.4	681.0	260.4	1842.4	1045.3	12151.2	4140.3
ALL	1393.0	482.3	2473.3	832.9	12867.5	477.4	681.0	260.4	1842.4	1045.3	12151.2	4140.3

CONCENTRATION (FIRCONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY												
COMMANDER												
1	2.0	18.0	2.0	58.2	2.0	6.7	2.0	287.0	2.0	16.8	10.0	287.0
2	2.0	14.9	3.0	115.0			3.0	240.0	3.0	7.3	11.0	240.0
3	2.0	3.4									2.0	3.4
4	2.0	5.0									2.0	5.0
ALL	8.0	18.0	5.0	115.0	2.0	6.7	5.0	287.0	5.0	16.8	25.0	287.0
DRIVER												
1	2.0	11.3	2.0	123.0	2.0	0.6	2.0	160.0	2.0	1.6	10.0	160.0
2	2.0	18.7	3.0	129.0			3.0	273.0	2.0	2.0	10.0	273.0
3	2.0	1.0									2.0	1.0
4	2.0	2.9									2.0	2.9
ALL	8.0	18.7	5.0	129.0	2.0	0.6	5.0	273.0	4.0	2.0	24.0	273.0
LOADER												
1	2.0	6.4	2.0	169.0	2.0	21.0	2.0	288.0	2.0	63.7	10.0	288.0
2	1.0	10.6	3.0	648.0			3.0	213.0	3.0	14.3	10.0	648.0
3	2.0	1.1									2.0	1.1
4	2.0	4.6									2.0	4.6
ALL	7.0	10.6	5.0	648.0	2.0	21.0	5.0	288.0	5.0	63.7	24.0	648.0
ALL												
1	6.0	18.0	6.0	160.0	6.0	21.0	6.0	288.0	6.0	63.7	30.0	288.0
2	5.0	18.7	9.0	648.0			9.0	273.0	8.0	14.3	31.0	648.0
3	6.0	3.4									6.0	3.4
4	6.0	5.0									6.0	5.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE									
STILL-MT09	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
AL	AL	AL	AL	AL	AL				
# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
23.0	18.7	15.0	648.0	6.0	21.0	15.0	288.0	14.0	63.7
ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

3

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TIRE & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		AL			AL			AL			AL		
		ALL			ALL			ALL			ALL		
		# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF
		VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMANDER	1	2.0	42.4	1.0	4.7	2.0	4.5	2.0	209.0	2.0	8.7	9.0	209.0
	2	2.0	71.2	2.0	157.0	.	.	2.0	368.0	2.0	13.0	8.0	368.0
	3	2.0	1.1	.	.	.	.	.	.	.	.	2.0	1.1
	4	2.0	1.6	.	.	.	.	.	.	.	.	2.0	1.6
	ALL	8.0	71.2	3.0	157.0	2.0	4.5	4.0	368.0	4.0	13.0	21.0	368.0
DRIVER	1	2.0	10.6	2.0	143.0	2.0	0.6	2.0	203.0	2.0	10.1	10.0	203.0
	2	2.0	2.7	2.0	153.0	.	.	2.0	143.0	2.0	1.2	8.0	153.0
	3	2.0	5.5	.	.	.	.	.	.	.	.	2.0	5.5
	4	2.0	24.4	.	.	.	.	.	.	.	.	2.0	24.4
	ALL	8.0	24.4	4.0	153.0	2.0	0.6	4.0	203.0	4.0	10.1	22.0	203.0
GUNNER	1	.	.	.	.	2.0	3.4	2.0	242.0	2.0	6.7	6.0	242.0
	2	.	.	.	.	.	.	2.0	131.0	2.0	26.0	4.0	131.0
	3	.	.	.	.	2.0	3.4	4.0	242.0	4.0	26.0	10.0	242.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	7.0	443.0	5.0	147.0	2.0	25.9	4.0	365.0	4.0	35.9	22.0	443.0
LOADER	1	2.0	54.4	2.0	31.4	2.0	25.9	2.0	365.0	2.0	12.2	10.0	365.0
	2	1.0	23.1	3.0	147.0	.	.	2.0	120.0	2.0	35.9	8.0	147.0
	3	2.0	443.0	.	.	.	.	.	.	.	.	2.0	443.0
	4	2.0	31.0	.	.	.	.	.	.	.	.	2.0	31.0
	ALL	7.0	443.0	5.0	147.0	2.0	25.9	4.0	365.0	4.0	35.9	22.0	443.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE																

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

5

ALL

COMBINATION OF FORT & VEHICLE TYPE																						
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
	AL				AL				AL				AL				AL				AL	
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY																						
COMMANDER																						
1	4.0	42.4	3.0	58.2	4.0	6.7	4.0	287.0	4.0	16.8	19.0	287.0										
2	4.0	71.2	5.0	157.0	.	.	5.0	368.0	5.0	13.0	19.0	368.0										
3	4.0	3.4	.	.	.	.	.	.	.	.	4.0	3.4									
4	4.0	5.0	.	.	.	.	.	.	.	.	4.0	5.0									
ALL	16.0	71.2	8.0	157.0	4.0	6.7	9.0	368.0	9.0	16.8	46.0	368.0										
DRIVER																						
1	4.0	11.3	4.0	143.0	4.0	0.6	4.0	203.0	4.0	10.1	20.0	203.0										
2	4.0	18.7	5.0	153.0	.	.	5.0	273.0	4.0	2.0	18.0	273.0										
3	4.0	5.5	.	.	.	.	.	.	.	.	4.0	5.5									
4	4.0	24.4	.	.	.	.	.	.	.	.	4.0	24.4									
ALL	16.0	24.4	9.0	153.0	4.0	0.6	9.0	273.0	8.0	10.1	46.0	273.0										
GUNNER																						
1	.	.	.	.	2.0	3.4	2.0	242.0	2.0	6.7	6.0	242.0									
2	.	.	.	.	.	.	2.0	131.0	2.0	26.0	4.0	131.0									
ALL	.	.	.	.	2.0	3.4	4.0	242.0	4.0	26.0	10.0	242.0									
LOADER																						
1	4.0	54.4	4.0	169.0	4.0	25.9	4.0	365.0	4.0	63.7	20.0	365.0										
2	2.0	23.1	6.0	648.0	.	.	5.0	213.0	5.0	35.9	18.0	648.0										
3	4.0	443.0	.	.	.	.	.	.	.	.	4.0	443.0									
4	4.0	31.0	.	.	.	.	.	.	.	.	4.0	31.0									
ALL	14.0	443.0	10.0	648.0	4.0	25.9	9.0	365.0	9.0	63.7	46.0	648.0										

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	AL	AL	AL	AL	AL	AL
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
DAY	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
1	12.0	54.4	11.0	169.0	14.0	25.9	14.0	365.0	14.0	63.7	65.0	365.0
2	10.0	71.2	16.0	648.0	.	.	17.0	368.0	16.0	35.9	59.0	648.0
3	12.0	443.0	.	.	.	.	.	.	.	.	12.0	443.0
4	12.0	31.0	.	.	.	.	.	.	.	.	12.0	31.0
ALL	46.0	443.0	27.0	648.0	14.0	25.9	31.0	368.0	30.0	63.7	148.0	648.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
		AL		AL		AL		AL		AL		AL		AL			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION/DAY																	
COMMANDER	1	12.2	8.2	50.3	11.1	3.6	4.3	285.5	2.1	9.2	10.8	72.2	113.9				
	2	8.7	8.7	77.0	43.5			206.3	38.1	3.5	3.3	79.8	90.8				
	3	2.3	1.5									2.3	1.5				
	4	3.4	2.3									3.4	2.3				
	ALL	6.7	6.3	66.3	34.5	3.6	4.3	238.0	51.1	5.8	6.6	64.4	95.2				
DRIVER																	
	1	6.5	6.8	85.5	53.0	0.5	0.1	160.0	0.0	1.3	0.4	50.8	69.1				
	2	14.7	5.6	103.4	22.3			213.7	53.5	1.4	0.9	98.3	94.0				
	3	1.0	0.0									1.0	0.0				
	4	2.1	1.2									2.1	1.2				
	ALL	6.1	6.7	96.2	32.3	0.5	0.1	192.2	47.9	1.3	0.6	62.4	81.2				
LOADER																	
	1	3.7	3.8	107.6	86.8	10.7	14.5	286.0	2.8	32.3	44.4	88.1	116.1				
	2	10.6		392.3	262.8			150.6	57.4	7.2	6.8	166.1	210.5				
	3	1.1	0.0									1.1	0.0				
	4	2.9	2.5									2.9	2.5				
	ALL	3.7	3.7	278.4	246.4	10.7	14.5	204.8	84.6	17.3	26.5	106.2	161.9				
ALL																	
	1	7.5	6.4	81.2	52.5	5.0	8.2	243.8	65.0	14.3	25.0	70.3	99.7				
	2	11.5	6.0	190.9	202.0			190.2	52.9	4.4	4.8	113.6	141.8				
	3	1.5	0.9									1.5	0.9				
	4	2.8	1.7									2.8	1.7				
	ALL	5.6	5.7	147.0	165.5	5.0	8.2	211.7	62.0	8.6	16.7	77.5	117.9				

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		ALL			AL			AL			AL		
		MEAN	STD	ALL	MEAN	STD	ALL	MEAN	STD	ALL	MEAN	STD	ALL
POSITION	DAY												
COMMANDER	1	27.1	21.6	4.7	2.5	2.8	143.1	93.1	5.1	5.0	40.0	68.3	
	2	39.0	45.5	119.7	52.8		204.7	230.9	7.8	7.4	92.8	122.5	
	3	1.1	0.0								1.1	0.0	
	4	1.3	0.5								1.3	0.5	
ALL	1	17.1	25.9	81.4	76.2	2.5	2.8	173.9	148.1	6.4	5.4	52.7	91.4
	2	2.6	0.1	126.5	37.5			141.0	2.8	1.1	0.1	67.8	72.1
	3	3.6	2.7								3.6	2.7	
	4	13.7	15.1								13.7	15.1	
ALL	1	6.4	7.9	114.1	42.5	0.6	0.1	168.5	32.3	3.3	4.5	54.4	72.4
GUNNER	1					2.3	1.5	240.5	2.1	4.2	3.6	82.3	122.5
	2							78.2	74.6	13.6	17.5	45.9	57.9
	3					2.3	1.5	159.4	103.1	8.9	11.7	67.8	99.0
	4												
LOADER	1	32.8	30.5	22.3	12.8	14.6	15.9	208.2	221.7	11.9	0.4	58.0	109.3
	2	23.1		109.1	34.3			107.7	17.3	23.4	17.7	76.6	48.7
	3	222.1	312.4									222.1	312.4
	4	16.4	20.7									16.4	20.7
ALL	1	80.8	160.8	74.4	53.7	14.6	15.9	158.0	140.9	17.7	12.2	75.9	114.5
	2	21.9	21.2	50.6	55.9	5.0	8.6	197.0	98.4	6.7	4.7	58.7	92.2
	3												
	4												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	AL	AL	AL	AL	AL	AL						
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY											
2	21.3	29.2	117.1	34.0			132.9	104.8	11.5	13.1	74.3	80.4
3	75.6	180.0									75.6	180.0
4	10.5	13.5									10.5	13.5
ALL	32.8	91.4	89.4	54.2	5.0	8.6	165.0	103.6	9.1	9.9	62.0	93.6

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

10

ALL		COMBINATION OF FORT & VEHICLE TYPE																					
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		AL		DAY	ALL	AL		DAY	ALL	AL		DAY	ALL	AL		DAY	ALL	AL		DAY	ALL		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION		DAY																					
COMMANDER	1	19.7	15.9	35.1	27.5	3.1	3.0	214.3	98.2	7.2	7.2	7.2	7.2	57.0	94.0								
	2	23.9	32.0	94.1	46.8			205.7	118.5	5.2	5.0	85.3	102.2										
	3	1.7	1.1											1.7	1.1								
	4	2.3	1.8											2.3	1.8								
	ALL	11.9	19.0	72.0	49.0	3.1	3.0	209.5	103.3	6.1	5.8	59.1	92.7										
DRIVER		DAY																					
1	6.1	5.6	93.7	46.4	0.5	0.1	178.0	21.6	3.4	4.5	56.4	74.9											
2	8.7	7.7	112.6	27.6			184.6	54.9	1.2	0.5	84.8	84.0											
3	2.3	2.1											2.3	2.1									
4	7.9	11.0											7.9	11.0									
ALL	6.3	7.1	104.2	35.9	0.5	0.1	181.7	41.2	2.3	3.2	58.6	76.4											
GUNNER		DAY																					
1					2.3	1.5	240.5	2.1	4.2	3.6	82.3	122.5											
2							78.2	74.6	13.6	17.5	45.9	57.9											
ALL					2.3	1.5	159.4	103.1	8.9	11.7	67.8	99.0											
LOADER		DAY																					
1	18.3	24.5	65.0	70.6	12.7	12.6	247.1	135.6	22.1	28.2	73.0	110.8											
2	16.8	8.8	250.7	228.4			133.5	47.7	13.7	13.4	126.3	162.9											
3	111.6	220.9											111.6	220.9									
4	9.6	14.3											9.6	14.3									
ALL	42.3	116.4	176.4	199.6	12.7	12.6	184.0	107.8	17.5	20.2	91.7	140.5											
ALL		DAY																					
1	14.7	16.7	67.3	53.7	5.0	8.1	217.1	86.1	9.9	16.4	64.1	95.2											

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

11

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
	AL	STD	AL	STD	AL	STD	AL	STD	AL	STD	AL	STD
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	16.4	20.5	158.6	153.8	.	.	163.3	84.1	7.9	10.2	95.0	117.5
2	38.5	127.4	.	.	.	.	.	.	.	.	38.5	127.4
3	6.6	10.0	.	.	.	.	.	.	.	.	6.6	10.0
4	19.2	65.5	121.4	129.8	5.0	8.1	187.6	87.9	8.9	13.2	69.7	106.2
ALL												

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE												
SILL-M109 | BENNING-M3 | KNOX-M60 | CARSON-M60 | KNOX-M1 | ALL												
CA | CA | CA | CA | CA | CA | CA												
POSITION	DAY	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
COMMANDER	1	2.0	261.0	2.0	123.0	2.0	21.0	2.0	688.0	2.0	18.0	10.0
	2	2.0	40.9	3.0	239.0	.	.	3.0	540.0	3.0	44.7	11.0
	3	2.0	173.0	.	.	.	.	.	.	.	.	2.0
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0
ALL		8.0	261.0	5.0	239.0	2.0	21.0	5.0	688.0	5.0	44.7	25.0
DRIVER	DAY											
	1	2.0	147.0	2.0	158.0	2.0	17.3	2.0	680.0	2.0	9.5	10.0
	2	2.0	33.8	3.0	342.0	.	.	3.0	867.0	2.0	24.6	10.0
	3	2.0	1.0	.	.	.	.	.	.	.	.	2.0
	4	2.0	22.4	.	.	.	.	.	.	.	.	2.0
ALL		8.0	147.0	5.0	342.0	2.0	17.3	5.0	867.0	4.0	24.6	24.0
LOADER	DAY											
	1	2.0	40.3	2.0	50.6	2.0	25.3	2.0	1140.0	2.0	54.7	10.0
	2	1.0	21.1	3.0	207.0	.	.	3.0	1710.0	3.0	34.8	10.0
	3	2.0	76.4	.	.	.	.	.	.	.	.	2.0
	4	2.0	14.3	.	.	.	.	.	.	.	.	2.0
ALL		7.0	76.4	5.0	207.0	2.0	25.3	5.0	1710.0	5.0	54.7	24.0
ALL	DAY											
	1	6.0	261.0	6.0	158.0	6.0	25.3	6.0	1140.0	6.0	54.7	30.0
	2	5.0	40.9	9.0	342.0	.	.	9.0	1710.0	8.0	44.7	31.0
	3	6.0	173.0	6.0
	4	6.0	22.4	6.0

(CONTINUED)

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CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
POSITION	DAY	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	2.0	70.6	1.0	51.4	2.0	23.0	2.0	429.0	2.0	27.7	9.0	429.0
	2	2.0	117.0	2.0	93.1	.	.	2.0	1590.0	2.0	31.6	8.0	1590.0
	3	2.0	26.4	.	.	.	.	.	.	.	.	2.0	26.4
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	117.0	3.0	93.1	2.0	23.0	4.0	1590.0	4.0	31.6	21.0	1590.0
	LAY	.	.	.	.	.	.	.	.	.	.	.	.
DRIVER	1	2.0	70.6	2.0	111.0	2.0	21.1	2.0	610.0	2.0	54.7	10.0	610.0
	2	2.0	2.7	2.0	71.3	.	.	2.0	672.0	2.0	41.6	8.0	672.0
	3	2.0	1.8	.	.	.	.	.	.	.	.	2.0	1.8
	4	2.0	38.8	.	.	.	.	.	.	.	.	2.0	38.8
	ALL	8.0	70.6	4.0	111.0	2.0	21.1	4.0	672.0	4.0	54.7	22.0	672.0
	LAY	.	.	.	.	.	.	.	.	.	.	.	.
GUNNER	1	.	.	.	.	2.0	67.7	2.0	996.0	2.0	46.7	6.0	996.0
	2	.	.	.	.	.	.	2.0	908.0	2.0	42.5	4.0	908.0
	ALL	.	.	.	.	2.0	67.7	4.0	996.0	4.0	46.7	10.0	996.0
	LAY	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	2.0	153.0	2.0	217.0	2.0	36.4	2.0	703.0	2.0	53.1	10.0	703.0
	2	1.0	63.2	3.0	204.0	.	.	2.0	444.0	2.0	61.4	8.0	444.0
	3	2.0	33.0	.	.	.	.	.	.	.	.	2.0	33.0
	4	2.0	1.7	.	.	.	.	.	.	.	.	2.0	1.7
	ALL	7.0	153.0	5.0	217.0	2.0	36.4	4.0	703.0	4.0	61.4	22.0	703.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

15

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	STILL-M109	BLNNG-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
DAY	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	6.0	5.0	8.0	67.7	8.0	996.0	8.0	54.7	35.0	996.0	996.0	996.0
1	5.0	7.0	204.0	.	8.0	1590.0	8.0	61.4	28.0	1590.0	1590.0	1590.0
2	6.0	33.0	.	.	.	.	.	.	6.0	33.0	33.0	33.0
3	6.0	38.8	.	.	.	.	.	.	6.0	38.8	38.8	38.8
4	23.0	153.0	12.0	217.0	8.0	67.7	16.0	1590.0	16.0	61.4	75.0	1590.0
ALL	23.0	153.0	12.0	217.0	8.0	67.7	16.0	1590.0	16.0	61.4	75.0	1590.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	STILL-M109	BLNNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY												
COMMANDER												
1	4.0	261.0	3.0	123.0	4.0	688.0	4.0	27.7	19.0	688.0		
2	4.0	117.0	5.0	239.0			5.0	1590.0	5.0	44.7	19.0	1590.0
3	4.0	173.0									4.0	173.0
4	4.0	1.0									4.0	1.0
ALL	16.0	261.0	8.0	239.0	4.0	23.0	9.0	1590.0	9.0	44.7	46.0	1590.0
DRIVER												
DAY												
1	4.0	147.0	4.0	158.0	4.0	21.1	4.0	680.0	4.0	54.7	20.0	680.0
2	4.0	33.8	5.0	342.0			5.0	867.0	4.0	41.6	18.0	867.0
3	4.0	1.8									4.0	1.8
4	4.0	38.8									4.0	38.8
ALL	16.0	147.0	9.0	342.0	4.0	21.1	9.0	867.0	8.0	54.7	46.0	867.0
GUNNER												
DAY												
1					2.0	67.7	2.0	996.0	2.0	46.7	6.0	996.0
2							2.0	908.0	2.0	42.5	4.0	908.0
ALL					2.0	67.7	4.0	996.0	4.0	46.7	10.0	996.0
LOADER												
DAY												
1	4.0	153.0	4.0	217.0	4.0	36.4	4.0	1140.0	4.0	54.7	20.0	1140.0
2	2.0	67.2	6.0	207.0			5.0	1710.0	5.0	61.4	18.0	1710.0
3	4.0	16.4									4.0	16.4
4	4.0	14.3									4.0	14.3
ALL	14.0	153.0	10.0	217.0	4.0	36.4	9.0	1710.0	9.0	61.4	46.0	1710.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

17

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY												
1	12.0	261.0	11.0	217.0	14.0	67.7	14.0	1140.0	14.0	54.7	65.0	1140.0
2	10.0	117.0	16.0	342.0	.	.	17.0	1710.0	16.0	61.4	59.0	1710.0
3	12.0	173.0	.	.	.	.	.	.	.	.	12.0	173.0
4	12.0	38.8	.	.	.	.	.	.	.	.	12.0	38.8
ALL	46.0	261.0	27.0	342.0	14.0	67.7	31.0	1710.0	30.0	61.4	148.0	1710.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA																
		COMBINATION OF FORT & VEHICLE TYPE														
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL				
		CA		CA		CA		CA		CA		CA				
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	
POSITION	DAY															
COMMANDER	1	147.5	160.4	100.8	31.4	18.2	3.9	605.0	117.4	14.1	5.5	177.1	241.2			
	2	24.7	22.9	157.2	126.4			383.7	138.4	21.7	22.0	157.9	177.7			
	3	87.1	121.5									87.1	121.5			
	4	1.0	0.1									1.0	0.1			
	ALL	65.1	97.9	134.6	95.9	18.2	3.9	472.2	166.5	18.7	16.3	147.4	195.2			
DRIVER	1	90.6	79.7	151.0	9.9	15.1	3.0	511.5	238.3	5.3	6.1	154.7	213.4			
	2	19.8	19.8	195.5	168.5			652.0	214.0	12.7	16.9	260.7	309.2			
	3	1.0	0.0									1.0	0.0			
	4	11.7	15.2									11.7	15.2			
	ALL	30.8	49.1	177.7	121.7	15.1	3.0	595.8	207.4	9.0	11.2	174.2	252.1			
LOADER	1	31.2	12.8	27.5	32.7	19.7	7.9	784.5	502.8	38.2	23.3	180.2	360.2			
	2	21.1		145.8	90.9			1285.7	466.0	25.6	8.4	439.2	627.7			
	3	47.9	40.3									47.9	40.3			
	4	7.7	9.3									7.7	9.3			
	ALL	27.8	24.4	98.5	92.7	19.7	7.9	1085.2	497.1	30.7	14.8	262.7	480.9			
ALL	1	89.8	95.7	93.1	59.3	17.7	4.7	633.7	283.0	19.2	18.8	170.7	269.4			
	2	22.0	15.3	166.2	116.9			773.8	481.1	20.9	15.1	281.8	414.1			
	3	45.3	69.0									45.3	69.0			
	4	6.8	9.3									6.8	9.3			
	ALL	41.8	65.4	136.9	102.2	17.7	4.7	717.7	407.3	20.2	16.1	194.1	330.6			

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

19

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	50.5	28.4	51.4	18.5	6.4	224.1	289.7	18.4	13.2	74.9	134.2	
	2	72.1	63.5	90.7	3.4		886.5	994.9	25.1	9.1	268.6	536.7	
	3	21.3	7.1								21.3	7.1	
	4	1.0	0.0								1.0	0.0	
ALL		36.2	39.3	77.6	22.8	18.5	6.4	555.3	710.0	21.8	10.1	136.6	346.2
DRIVER	DAY												
1		51.4	27.2	103.0	11.2	17.3	5.4	427.0	258.8	38.7	22.6	127.5	182.8
2		2.6	0.1	68.4	4.0			544.5	180.3	29.9	16.5	161.4	247.4
3		1.4	0.6								1.4	0.6	
4		36.5	3.2								36.5	3.2	
ALL		23.0	25.3	85.7	21.1	17.3	5.4	485.7	194.3	34.3	16.9	120.1	193.4
GUNNER	DAY												
1					42.7	35.4	871.5	176.1	32.5	20.0	315.6	438.2	
2							656.5	355.7	36.6	8.3	346.5	412.7	
ALL					42.7	35.4	764.0	260.6	34.6	12.7	328.0	404.6	
LOADER	DAY												
1		91.8	86.5	204.5	17.7	25.2	15.8	420.0	400.2	30.3	32.2	154.4	207.5
2		63.2		124.5	81.4			406.0	53.7	42.2	27.1	166.6	159.7
3		32.6	0.5								32.6	0.5	
4		1.5	0.4								1.5	0.4	
ALL		45.0	52.1	156.5	72.9	25.2	15.8	413.0	233.3	36.3	25.3	133.9	173.8
ALL	DAY												
1		64.6	47.4	133.3	69.1	25.9	18.5	485.7	336.4	30.0	19.1	153.9	243.3

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY												
2	42.5	48.5	98.8	53.6			623.4	447.1	33.5	14.6	220.0	347.9
3	18.5	14.5									18.5	14.5
4	13.0	18.3									13.0	18.3
ALL	34.3	39.0	113.2	60.2	25.9	18.5	554.5	388.8	31.7	16.5	156.5	275.9

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

21

ALL		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION DAY															
COMMANDER	1	99.0	109.5	84.3	36.1	18.4	4.3	414.6	284.5	16.2	8.6	128.7	199.6		
	2	48.4	47.6	130.6	96.5			584.8	577.0	23.1	16.3	204.5	364.3		
	3	54.2	79.9									54.2	79.9		
	4	1.0	0.0									1.0	0.0		
	ALL	50.7	73.6	113.2	79.2	18.4	4.3	509.1	452.6	20.0	13.2	142.4	271.4		
DRIVER DAY															
1		71.0	53.6	127.0	29.0	16.2	3.8	469.2	208.9	22.0	23.6	141.1	193.9		
2		11.2	15.1	144.7	138.0			609.0	185.7	21.3	16.9	216.6	280.0		
3		1.2	0.4									1.2	0.4		
4		24.1	16.9									24.1	16.9		
ALL		26.9	38.0	136.8	99.6	16.2	3.8	546.9	197.6	21.6	19.0	148.3	225.1		
GUNNER DAY															
1						42.7	35.4	871.5	176.1	32.5	20.0	315.6	438.2		
2								656.5	355.7	36.6	8.3	346.5	412.7		
ALL						42.7	35.4	764.0	260.6	34.6	12.7	328.0	404.6		
LOADER DAY															
1		61.5	61.4	116.0	104.4	22.4	10.7	602.2	426.5	34.3	23.4	167.3	286.4		
2		42.1	29.8	135.1	78.0			933.8	584.3	32.3	17.4	318.1	488.4		
3		40.3	24.9									40.3	24.9		
4		4.6	6.5									4.6	6.5		
ALL		36.4	40.1	127.5	84.4	22.4	10.7	786.4	519.1	33.2	18.9	201.1	369.5		
ALL DAY															
1		77.2	73.2	111.4	64.1	22.4	14.5	549.1	312.3	25.4	19.1	161.7	253.8		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA	CA	CA
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY														
2	32.3	35.6	136.7	98.1			703.0	457.3	27.2	15.8	252.5	382.1		
3	31.9	49.6											31.9	49.6
4	9.9	14.2											9.9	14.2
ALL	38.1	53.4	126.4	85.4	22.4	14.5	633.5	399.8	26.3	17.1	175.0	303.7		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		CR	CR	CR	CR	CR							
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	2.2	2.0	22.0	2.0	1.9	2.0	22.3	2.0	3.2	10.0	22.3
	2	2.0	7.6	3.0	11.2	.	.	3.0	22.1	3.0	3.0	11.0	22.1
	3	2.0	3.7	.	.	.	.	.	.	.	.	2.0	3.7
	4	2.0	2.8	.	.	.	.	.	.	.	.	2.0	2.8
	ALL	8.0	7.6	5.0	22.0	2.0	1.9	5.0	22.3	5.0	3.2	25.0	22.3
DRIVER	DAY												
	1	2.0	2.1	2.0	17.4	2.0	1.2	2.0	14.0	2.0	4.2	10.0	17.4
	2	2.0	2.7	3.0	16.6	.	.	3.0	19.6	2.0	2.6	10.0	19.6
	3	2.0	17.0	.	.	.	.	.	.	.	.	2.0	17.0
	4	2.0	3.0	.	.	.	.	.	.	.	.	2.0	3.0
	ALL	8.0	17.0	5.0	17.4	2.0	1.2	5.0	19.6	4.0	4.2	24.0	19.6
LOADER	DAY												
	1	2.0	3.0	2.0	19.9	2.0	2.3	2.0	23.5	2.0	5.3	10.0	23.5
	2	1.0	2.4	3.0	10.9	.	.	3.0	29.3	3.0	3.2	10.0	29.3
	3	2.0	4.4	.	.	.	.	.	.	.	.	2.0	4.4
	4	2.0	2.5	.	.	.	.	.	.	.	.	2.0	2.5
	ALL	7.0	4.4	5.0	19.9	2.0	2.3	5.0	29.3	5.0	5.3	24.0	29.3
ALL	DAY												
	1	6.0	3.0	6.0	22.0	6.0	2.3	6.0	23.5	6.0	5.3	30.0	23.5
	2	5.0	7.6	9.0	16.6	.	.	9.0	29.3	8.0	3.2	31.0	29.3
	3	6.0	17.0	.	.	.	.	.	.	.	.	6.0	17.0
	4	6.0	3.0	.	.	.	.	.	.	.	.	6.0	3.0

(CONTINUED)

5

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

25

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		CR			CR			CR			CR		
		# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.
		MAX		MAX	MAX		MAX	MAX		MAX	MAX		MAX
POSITION	DAY												
COMMANDER	1	2.0	2.1	1.0	21.8	2.0	3.1	2.0	10.2	2.0	4.2	9.0	21.8
	2	2.0	3.4	2.0	13.6	.	.	2.0	30.5	2.0	2.8	8.0	30.5
	3	2.0	2.7	.	.	.	.	.	.	.	.	2.0	2.7
	4	2.0	4.8	.	.	.	.	.	.	.	.	2.0	4.8
	ALL	8.0	4.8	3.0	21.8	2.0	3.1	4.0	30.5	4.0	4.2	21.0	30.5
DRIVER	1	2.0	2.8	2.0	17.4	2.0	2.4	2.0	11.1	2.0	3.2	10.0	17.4
	2	2.0	4.2	2.0	11.4	.	.	2.0	24.2	2.0	2.3	8.0	24.2
	3	2.0	4.3	.	.	.	.	.	.	.	.	2.0	4.3
	4	2.0	4.3	.	.	.	.	.	.	.	.	2.0	4.3
	ALL	8.0	4.3	4.0	17.4	2.0	2.4	4.0	24.2	4.0	3.2	22.0	24.2
GUNNER	1	.	.	.	.	2.0	2.9	2.0	7.5	2.0	4.2	6.0	7.5
	2	.	.	.	.	.	.	2.0	31.1	2.0	3.5	4.0	31.1
	3	.	.	.	.	.	.	4.0	31.1	4.0	4.2	10.0	31.1
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	8.0	4.3	4.0	17.4	2.0	2.9	4.0	31.1	4.0	4.2	10.0	31.1
LOADER	1	2.0	7.1	2.0	16.4	2.0	3.3	2.0	28.2	2.0	6.4	10.0	28.2
	2	1.0	2.7	3.0	10.8	.	.	2.0	23.4	2.0	3.1	8.0	23.4
	3	2.0	3.1	.	.	.	.	.	.	.	.	2.0	3.1
	4	2.0	4.1	.	.	.	.	.	.	.	.	2.0	4.1
	ALL	7.0	7.1	5.0	16.4	2.0	3.3	4.0	28.2	4.0	6.4	22.0	28.2

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		CR	CR	CR	CR	CR	CR						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
ALL	DAY												
	1	6.0	7.1	5.0	21.8	8.0	3.3	8.0	28.2	8.0	6.4	35.0	28.2
	2	5.0	4.2	7.0	13.6	.	.	8.0	31.1	8.0	3.5	28.0	31.1
	3	6.0	4.3	.	.	.	.	.	.	.	.	6.0	4.3
	4	6.0	4.8	.	.	.	.	.	.	.	.	6.0	4.8
	ALL	23.0	7.1	12.0	21.8	8.0	3.3	16.0	31.1	16.0	6.4	75.0	31.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

27

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
CR		CR		CR		CR		CR		CR		CR	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND-1	4.0	2.2	3.0	22.0	4.0	3.1	4.0	22.3	4.0	4.2	19.0	22.3	
2	4.0	7.6	5.0	13.6	.	.	5.0	30.5	5.0	3.0	19.0	30.5	
3	4.0	3.7	.	.	.	.	.	.	.	.	4.0	3.7	
4	4.0	4.8	.	.	.	.	.	.	.	.	4.0	4.8	
ALL	16.0	7.6	8.0	22.0	4.0	3.1	9.0	30.5	9.0	4.2	46.0	30.5	
DRIVER DAY													
1	4.0	2.8	4.0	17.4	4.0	2.4	4.0	14.0	4.0	4.2	20.0	17.4	
2	4.0	4.2	5.0	16.6	.	.	5.0	24.2	4.0	2.6	18.0	24.2	
3	4.0	17.0	.	.	.	.	.	.	.	.	4.0	17.0	
4	4.0	4.3	.	.	.	.	.	.	.	.	4.0	4.3	
ALL	16.0	17.0	9.0	17.4	4.0	2.4	9.0	24.2	8.0	4.2	46.0	24.2	
GUNNER DAY													
1	.	.	.	2.0	2.9	2.0	2.0	7.5	2.0	4.2	6.0	7.5	
2	.	.	.	.	.	.	2.0	31.1	2.0	3.5	4.0	31.1	
ALL	.	.	.	2.0	2.9	4.0	4.0	31.1	4.0	4.2	10.0	31.1	
LOADER DAY													
1	4.0	7.1	4.0	19.9	4.0	3.3	4.0	28.2	4.0	6.4	20.0	28.2	
2	2.0	2.7	6.0	10.9	.	.	5.0	29.3	5.0	3.2	18.0	29.3	
3	4.0	4.4	.	.	.	.	.	.	.	.	4.0	4.4	
4	4.0	4.1	.	.	.	.	.	.	.	.	4.0	4.1	
ALL	14.0	7.1	10.0	19.9	4.0	3.3	9.0	29.3	9.0	6.4	46.0	29.3	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY												
1	12.0	7.1	11.0	22.0	14.0	3.3	14.0	28.2	14.0	6.4	65.0	28.2
2	10.0	7.6	16.0	16.6	.	.	17.0	31.1	16.0	3.5	59.0	31.1
3	12.0	17.0	.	.	.	.	.	.	.	.	12.0	17.0
4	12.0	4.8	.	.	.	.	.	.	.	.	12.0	4.8
ALL	46.0	17.0	27.0	22.0	14.0	3.3	31.0	31.1	30.0	6.4	148.0	31.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE												ALL	
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1									
		CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY															
COMMANDER	1	1.6	0.9	20.4	2.2	1.8	0.1	19.7	3.7	2.9	0.4	9.3	9.4		
	2	5.2	3.4	9.9	1.2			14.6	7.0	2.6	0.3	8.3	5.9		
	3	3.5	0.3									3.5	0.3		
	4	2.5	0.4									2.5	0.4		
	ALL	3.2	2.0	14.1	6.0	1.8	0.1	16.6	6.0	2.7	0.3	7.9	7.3		
DRIVER	1	1.6	0.8	16.4	1.4	1.1	0.2	12.1	2.6	2.9	1.9	6.8	6.7		
	2	2.6	0.1	12.0	4.3			13.9	5.5	2.0	0.8	8.7	6.4		
	3	9.9	10.1									9.9	10.1		
	4	2.2	1.2									2.2	1.2		
	ALL	4.0	5.3	13.7	3.9	1.1	0.2	13.2	4.2	2.5	1.3	7.5	6.5		
LOADER	1	2.6	0.6	16.4	4.9	1.6	0.9	23.0	0.6	4.7	0.8	9.7	9.2		
	2	2.4		10.0	0.8			15.3	12.2	2.3	0.8	8.5	8.1		
	3	3.6	1.1									3.6	1.1		
	4	2.0	0.8									2.0	0.8		
	ALL	2.7	0.9	12.6	4.3	1.6	0.9	18.4	9.6	3.3	1.5	8.0	8.1		
ALL	1	1.9	0.8	17.8	3.2	1.5	0.5	18.3	5.4	3.5	1.3	8.6	8.3		
	2	3.6	2.3	10.6	2.5			14.6	7.6	2.4	0.6	8.5	6.6		
	3	5.7	5.6									5.7	5.6		
	4	2.2	0.7									2.2	0.7		
	ALL	3.3	3.3	13.5	4.5	1.5	0.5	16.1	6.8	2.9	1.1	7.8	7.2		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		CR		CR		CR		CR		CR		CR	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	1.6	0.8	21.8		2.0	1.6	8.7	2.1	3.6	0.9	6.0	6.7
	2	3.0	0.5	12.9	1.0			22.1	11.8	2.4	0.6	10.1	9.7
	3	2.6	0.1									2.6	0.1
	4	4.2	0.8									4.2	0.8
	ALL	2.8	1.1	15.9	5.2	2.0	1.6	15.4	10.4	3.0	0.9	7.1	7.6
DRIVER	1	1.9	1.3	14.2	4.5	2.1	0.4	9.2	2.6	3.0	0.3	6.1	5.4
	2	3.4	1.1	9.6	2.6			23.2	1.4	2.2	0.2	9.6	9.0
	3	3.9	0.5									3.9	0.5
	4	3.5	1.2									3.5	1.2
	ALL	3.2	1.1	11.9	4.0	2.1	0.4	16.2	8.2	2.6	0.5	6.9	6.7
GUNNER	1					2.2	1.1	7.5	0.0	3.2	1.5	4.3	2.7
	2							22.4	12.2	3.0	0.7	12.7	13.3
	3					2.2	1.1	15.0	11.2	3.1	1.0	7.7	9.0
	4												
	ALL												
LOADER	1	5.2	2.6	12.8	5.0	2.5	1.2	17.8	14.7	4.4	2.8	8.6	8.1
	2	2.7		8.4	2.2			21.2	3.0	2.6	0.8	9.4	7.9
	3	3.1	0.0									3.1	0.0
	4	2.8	1.8									2.8	1.8
	ALL	3.6	1.7	10.2	3.8	2.5	1.2	19.5	8.9	3.5	2.0	7.9	7.4
ALL	DAY												
	1	2.9	2.3	15.2	5.1	2.2	0.9	10.8	7.2	3.5	1.4	6.4	6.3

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

31

SAMPLE TYPE BREATHING /ONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	CR	STD	MEAN	CR	STD	MEAN	CR	STD	MEAN	CR	STD	MEAN
ALL	DAY											
1	3.1	0.7	10.0	2.7			22.3	6.6	2.5	0.6	10.1	9.1
2	3.2	0.6									3.2	0.6
3	3.5	1.2									3.5	1.2
4												
ALL	3.2	1.3	12.2	4.5	2.2	0.9	16.5	8.9	3.0	1.1	7.3	7.4

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
	CR		CR		CR		CR		CR		CR		CR		CR	
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY															
COMMANDER	1	1.6	0.7	20.9	1.7	1.9	0.9	14.2	6.8	3.3	0.7	7.7	8.2			
	2	4.1	2.4	11.1	1.9	.	.	17.6	8.7	2.5	0.4	9.1	7.6			
	3	3.0	0.6	.	.	.	.	.	.	.	.	3.0	0.6			
	4	3.3	1.1	.	.	.	.	.	.	.	.	3.3	1.1			
	ALL	3.0	1.6	14.8	5.4	1.9	0.9	16.1	7.7	2.9	0.6	7.5	7.4			
DRIVER	DAY															
	1	1.7	0.9	15.3	3.0	1.6	0.6	10.7	2.7	2.9	1.1	6.5	6.0			
	2	3.0	0.8	11.0	3.5	.	.	17.6	6.4	2.1	0.5	9.1	7.5			
	3	6.9	6.8	.	.	.	.	.	.	.	.	6.9	6.8			
	4	2.8	1.2	.	.	.	.	.	.	.	.	2.8	1.2			
GUNNER	ALL	3.6	3.7	12.9	3.9	1.6	0.6	14.5	6.1	2.5	0.9	7.2	6.5			
	DAY															
	1	.	.	.	.	2.2	1.1	7.5	0.0	3.2	1.5	4.3	2.7			
	2	.	.	.	.	.	.	22.4	12.2	3.0	0.7	12.7	13.3			
	ALL	.	.	.	.	2.2	1.1	15.0	11.2	3.1	1.0	7.7	9.0			
LOADER	DAY															
	1	3.9	2.2	14.6	4.5	2.1	1.0	20.4	9.0	4.5	1.7	9.1	8.5			
	2	2.6	0.2	9.2	1.7	.	.	17.7	9.3	2.4	0.7	8.9	7.8			
	3	3.4	0.7	.	.	.	.	.	.	.	.	3.4	0.7			
	4	2.4	1.2	.	.	.	.	.	.	.	.	2.4	1.2			
ALL	ALL	3.1	1.4	11.4	4.1	2.1	1.0	18.9	8.7	3.4	1.6	8.0	7.7			
	DAY															
	1	2.4	1.7	16.6	4.2	1.9	0.8	14.0	7.3	3.5	1.3	7.4	7.3			

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	STILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	CR	STD	CR	STD	CR	STD	CR	STD	CR	STD	CR	STD	CR	
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	
DAY	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	3.4	1.6	10.3	2.5	.	.	18.2	7.9	2.4	0.6	9.3	7.9	7.9	
3	4.4	4.0	.	.	.	.	.	.	.	.	4.4	4.0	4.0
4	2.8	1.2	.	.	.	.	.	.	.	.	2.8	1.2	1.2
ALL	3.3	2.5	12.9	4.5	1.9	0.8	16.3	7.8	2.9	1.1	7.6	7.3	7.3	

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		CU	CU	CU	CU	CU	CU						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	46.4	2.0	34.6	2.0	47.8	2.0	9.9	2.0	18.0	10.0	47.8
	2	2.0	26.3	3.0	19.8	.	.	3.0	11.1	3.0	6.8	11.0	26.3
	3	2.0	57.1	.	.	.	.	.	.	.	.	2.0	57.1
	4	2.0	5.5	.	.	.	.	.	.	.	.	2.0	5.5
	ALL	8.0	57.1	5.0	34.6	2.0	47.8	5.0	11.1	5.0	18.0	25.0	57.1
DRIVER	DAY												
	1	2.0	109.0	2.0	29.0	2.0	20.9	2.0	8.4	2.0	15.7	10.0	109.0
	2	2.0	28.3	3.0	17.4	.	.	3.0	11.5	2.0	5.2	10.0	28.3
	3	2.0	7.9	.	.	.	.	.	.	.	.	2.0	7.9
	4	2.0	16.1	.	.	.	.	.	.	.	.	2.0	16.1
	ALL	8.0	109.0	5.0	29.0	2.0	20.9	5.0	11.5	4.0	15.7	24.0	109.0
LOADER	DAY												
	1	2.0	29.7	2.0	16.9	2.0	60.1	2.0	13.0	2.0	27.1	10.0	60.1
	2	1.0	22.7	3.0	31.6	.	.	3.0	8.6	3.0	6.0	10.0	31.6
	3	2.0	1.1	.	.	.	.	.	.	.	.	2.0	1.1
	4	2.0	5.5	.	.	.	.	.	.	.	.	2.0	5.5
	ALL	7.0	29.7	5.0	31.6	2.0	60.1	5.0	13.0	5.0	27.1	24.0	60.1
ALL	DAY												
	1	6.0	109.0	6.0	34.6	6.0	60.1	6.0	13.0	6.0	27.1	30.0	109.0
	2	5.0	28.3	9.0	31.6	.	.	9.0	11.5	8.0	6.8	31.0	31.6
	3	6.0	57.1	.	.	.	.	.	.	.	.	6.0	57.1
	4	6.0	16.1	.	.	.	.	.	.	.	.	6.0	16.1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-MT09	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		CU	CU	CU	CU	CU	CU						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMANDER	1	2.0	63.6	1.0	10.9	2.0	19.2	2.0	10.2	2.0	15.4	9.0	63.6
	2	2.0	35.7	2.0	35.7			2.0	5.5	2.0	5.0	8.0	35.7
	3	2.0	4.3									2.0	4.3
	4	2.0	2.6									2.0	2.6
	ALL	8.0	63.6	3.0	35.7	2.0	19.2	4.0	10.2	4.0	15.4	21.0	63.6
DRIVER	1												
	2	2.0	33.9	2.0	11.0	2.0	19.0	2.0	8.3	2.0	18.6	10.0	33.9
	3	2.0	14.1									2.0	14.1
	4	2.0	3.7									2.0	3.7
	ALL	8.0	33.9	4.0	11.0	2.0	19.0	4.0	11.1	4.0	18.6	22.0	33.9
GUNNER	1												
	2												
	3												
	4												
	ALL												
LOADER	1												
	2												
	3												
	4												
	ALL												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE		COMBINATION OF FORT & VEHICLE TYPE											
BREATHING ZONE		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		CU	CU	CU	CU	CU	CU						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
ALL	DAY												
1		6.0	66.4	5.0	20.9	8.0	51.0	8.0	12.4	8.0	24.9	35.0	66.4
2		5.0	35.7	7.0	38.4	.	.	8.0	11.7	8.0	6.6	28.0	38.4
3		6.0	14.1	.	.	.	.	.	.	.	.	6.0	14.1
4		6.0	3.7	.	.	.	.	.	.	.	.	6.0	3.7
ALL		23.0	66.4	12.0	38.4	8.0	51.0	16.0	12.4	16.0	24.9	75.0	66.4

CONCENTRATION 'FIRECONC) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

39

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
CU		CU		CU		CU		CU		CU			
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	12.0	109.0	11.0	34.6	14.0	60.1	14.0	14.0	27.1	65.0	109.0		
2	10.0	35.7	16.0	38.4			17.0	11.7	6.8	59.0	38.4		
3	12.0	57.1								12.0	57.1		
4	12.0	16.1								12.0	16.1		
ALL	46.0	109.0	27.0	38.4	14.0	60.1	31.0	13.0	27.1	148.0	109.0		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CU	CU	CU	CU	CU	CU
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMANDER	1	32.8	19.2	22.4	17.2	37.0	15.3	9.2	1.0	10.8	10.2	22.5	15.8
	2	22.0	6.1	10.8	9.0	.	.	9.3	2.8	3.8	3.1	10.5	8.0
	3	33.4	33.5	.	.	.	.	.	.	.	.	33.4	33.5
	4	3.7	2.6	.	.	.	.	.	.	.	.	3.7	2.6
ALL		23.0	19.6	15.5	12.4	37.0	15.3	9.3	2.0	6.6	6.7	16.6	15.4
DRIVER DAY													
1		65.6	61.4	18.8	14.4	15.2	8.0	8.1	0.5	13.1	3.6	24.2	30.7
2		20.4	11.2	8.6	7.6	.	.	7.7	4.0	3.0	3.2	9.6	8.3
3		4.5	4.9	.	.	.	.	.	.	.	.	4.5	4.9
4		9.3	9.7	.	.	.	.	.	.	.	.	9.3	9.7
ALL		24.9	35.2	12.7	10.6	15.2	8.0	7.9	2.8	8.1	6.5	15.2	21.5
LOADER DAY													
1		25.2	6.3	15.6	1.8	43.1	24.0	10.7	3.2	21.3	8.2	23.2	14.6
2		22.7	.	19.9	15.9	.	.	8.2	0.4	2.8	2.8	11.5	11.2
3		1.1	0.0	.	.	.	.	.	.	.	.	1.1	0.0
4		3.3	3.1	.	.	.	.	.	.	.	.	3.3	3.1
ALL		11.7	12.3	18.2	11.5	43.1	24.0	9.2	2.1	10.2	11.1	14.8	14.0
ALL DAY													
1		41.2	34.7	19.0	10.5	31.8	18.6	9.3	1.9	15.1	7.8	23.3	20.9
2		21.5	6.4	13.1	11.2	.	.	8.4	2.5	3.2	2.6	10.5	8.9
3		13.0	21.9	.	.	.	.	.	.	.	.	13.0	21.9
4		5.4	5.6	.	.	.	.	.	.	.	.	5.4	5.6
ALL		20.2	24.3	15.5	10.9	31.8	18.6	8.8	2.3	8.3	8.0	15.6	17.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER	1	43.1	29.0	10.9	.	12.8	9.0	7.5	3.8	14.6	1.1	18.6	17.8
	2	27.2	12.0	18.7	24.0	.	.	5.3	0.3	4.8	0.3	14.0	14.3
	3	3.3	1.4	.	.	.	.	.	.	.	.	3.3	1.4
	4	1.8	1.2	.	.	.	.	.	.	.	.	1.8	1.2
	ALL	18.8	21.9	16.1	17.6	12.8	9.0	6.4	2.5	9.7	5.7	13.8	15.3
DRIVER	1	17.3	23.5	10.3	1.0	18.3	1.0	7.9	0.7	18.2	0.5	14.4	9.1
	2	7.4	0.9	4.7	4.2	.	.	8.0	4.4	3.4	2.3	5.9	3.2
	3	10.4	5.2	.	.	.	.	.	.	.	.	10.4	5.2
	4	3.3	0.6	.	.	.	.	.	.	.	.	3.3	0.6
	ALL	9.6	10.6	7.5	4.1	18.3	1.0	7.9	2.6	10.8	8.7	9.9	7.8
GUNNER	1	.	.	.	.	17.5	15.3	11.2	1.7	19.6	0.7	16.1	7.9
	2	.	.	.	.	.	.	8.8	0.5	4.5	0.4	6.7	2.5
	3	.	.	.	.	.	.	.	.	.	.	.	.
	4	.	.	.	.	17.5	15.3	10.0	1.7	12.0	8.7	12.3	7.8
	ALL	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	43.9	31.7	15.1	8.2	33.2	25.2	8.3	4.9	16.2	12.3	23.4	20.0
	2	14.2	.	22.6	18.9	.	.	11.3	0.6	3.8	4.0	14.0	12.9
	3	9.4	0.1	.	.	.	.	.	.	.	.	9.4	0.1
	4	1.8	0.1	.	.	.	.	.	.	.	.	1.8	0.1
	ALL	17.8	22.5	19.6	14.5	33.2	25.2	9.8	3.3	10.0	10.3	16.7	16.7
ALL	1	34.8	25.8	12.3	4.9	20.5	14.2	8.7	2.9	17.2	5.1	18.3	15.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL								
	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY													
2	16.7	11.7	16.4	16.9	.	8.4	2.9	4.1	1.9	10.6	10.8			
3	7.7	4.2	.	.	.	.	.	.	.	7.7	4.2			
4	2.3	1.0	.	.	.	.	.	.	.	2.3	1.0			
ALL	15.3	18.6	14.7	13.0	20.5	14.2	8.5	2.8	10.6	7.7	13.3	13.2		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
	CU	STD	MEAN	CU	CU	STD	MEAN	CU	CU	STD	MEAN	CU	CU	STD	MEAN	CU
POSITION(DAY)	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER																
1	38.0	20.9	18.6	13.9	24.9	17.3	8.4	2.5	12.7	6.3	20.6	16.5				
2	24.6	8.3	14.0	14.3			7.7	3.0	4.2	2.2	12.0	10.9				
3	18.3	26.0									18.3	26.0				
4	2.8	2.0									2.8	2.0				
ALL	20.9	20.2	15.7	13.3	24.9	17.3	8.0	2.6	8.0	6.1	15.3	15.2				
DRIVER																
DAY																
1	41.4	47.1	14.5	9.7	16.8	5.0	8.0	0.5	15.7	3.6	19.3	22.6				
2	13.9	9.9	7.1	6.2			7.8	3.6	3.2	2.3	7.9	6.6				
3	7.4	5.4									7.4	5.4				
4	6.3	6.6									6.3	6.6				
ALL	17.3	26.4	10.4	8.4	16.8	5.0	7.9	2.6	9.4	7.3	12.7	16.5				
GUNNER																
DAY																
1					17.5	15.3	11.2	1.7	19.6	0.7	16.1	7.9				
2							8.8	0.5	4.5	0.4	6.7	2.5				
ALL					17.5	15.3	10.0	1.7	12.0	8.7	12.3	7.8				
LOADER																
DAY																
1	34.6	21.6	15.4	4.9	38.2	20.9	9.5	3.6	18.8	9.0	23.3	17.1				
2	18.4	6.0	21.3	15.7			9.4	1.8	3.2	2.9	12.6	11.7				
3	5.2	4.8									5.2	4.8				
4	2.6	2.0									2.6	2.0				
ALL	14.8	17.7	18.9	12.4	38.2	20.9	9.5	2.6	10.1	10.1	15.8	15.2				
ALL																
DAY																
1	38.0	29.3	15.9	8.8	25.3	16.6	9.0	2.5	16.3	6.2	20.6	18.0				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CU	CU	CU	CU	CU	CU	CU	CU
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	19.1	9.2	14.5	13.5	8.4	2.6	3.7	2.2	10.6	9.8				
2	10.3	15.3							10.3	15.3				
3	3.9	4.1							3.9	4.1				
4	17.8	21.6	15.1	11.6	25.3	16.6	8.7	2.5	9.6	7.8	14.4	15.2		
ALL														

CONCENTRATION (FIRCONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			KNOX-M60			CARSON-M60			KNOX-M1		
		FE			FE			FE			FE		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	59.9	2.0	126.0	2.0	267.0	2.0	267.0	2.0	7.3	10.0	267.0
	2	2.0	461.0	3.0	205.0	.	.	3.0	296.0	3.0	6.8	11.0	461.0
	3	2.0	5.2	.	.	.	.	.	.	.	.	2.0	5.2
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	461.0	5.0	205.0	2.0	267.0	5.0	296.0	5.0	7.3	25.0	461.0
DRIVER	1	2.0	43.8	2.0	193.0	2.0	444.0	2.0	444.0	2.0	1.6	10.0	444.0
	2	2.0	52.5	3.0	249.0	.	.	3.0	170.0	2.0	9.5	10.0	249.0
	3	2.0	44.8	.	.	.	.	.	.	.	.	2.0	44.8
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	52.5	5.0	249.0	2.0	444.0	5.0	170.0	4.0	9.5	24.0	444.0
LOADER	1	2.0	51.6	2.0	285.0	2.0	477.0	2.0	477.0	2.0	13.0	10.0	477.0
	2	1.0	36.6	3.0	178.0	.	.	3.0	457.0	3.0	13.0	10.0	178.0
	3	2.0	6.5	.	.	.	.	.	.	.	.	2.0	6.5
	4	2.0	1.7	.	.	.	.	.	.	.	.	2.0	1.7
	ALL	7.0	51.6	5.0	178.0	2.0	477.0	5.0	457.0	5.0	13.0	24.0	178.0
ALL	1	6.0	59.9	6.0	285.0	6.0	477.0	6.0	477.0	6.0	13.0	30.0	477.0
	2	5.0	461.0	9.0	178.0	.	.	9.0	457.0	8.0	13.0	31.0	178.0
	3	6.0	44.8	.	.	.	.	.	.	.	.	6.0	44.8
	4	6.0	1.7	.	.	.	.	.	.	.	.	6.0	1.7
	ALL	23.0	461.0	20.0	178.0	17.0	477.0	20.0	457.0	17.0	13.0	67.0	178.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		FE	FE	FE	FE	FE	FE				
		# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF	# OF
		VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
		23.01	15.01	6.01	8.41	15.01	477.01	14.01	13.01	73.01	778.01
ALL	ALL	461.01	15.01	6.01	8.41	15.01	477.01	14.01	13.01	73.01	778.01

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF PORT & VEHICLE TYPE													
FE		FE		FE		FE		FE		FE		FE	
STILL-M109	BINNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL								
# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMANDER													
1	2.0	93.2	1.0	187.0	2.0	9.2	2.0	1000.0	2.0	5.3	9.0	1000.0	
2	2.0	53.4	2.0	307.0			2.0	10.2	2.0	6.8	8.0	307.0	
3	2.0	1.1									2.0	1.1	
4	2.0	1.0											
ALL	8.0	93.2	3.0	307.0	2.0	9.2	4.0	1000.0	4.0	6.8	21.0	1000.0	
DRIVER													
1	2.0	31.1	2.0	214.0	2.0	8.6	2.0	632.0	2.0	11.3	10.0	632.0	
2	2.0	44.8	2.0	818.0			2.0	24.2	2.0	28.8	8.0	818.0	
3	2.0	1.8									2.0	1.8	
4	2.0	25.4									2.0	25.4	
ALL	8.0	44.8	4.0	818.0	2.0	8.6	4.0	632.0	4.0	28.8	22.0	818.0	
GUNNER													
1					2.0	3.6	2.0	137.0	2.0	2.8	6.0	137.0	
2							2.0	297.0	2.0	10.9	4.0	297.0	
ALL					2.0	3.6	4.0	297.0	4.0	10.9	10.0	297.0	
LOADER													
1	2.0	88.3	2.0	65.8	2.0	65.8	2.0	346.0	2.0	5.8	10.0	346.0	
2	1.0	21.4	3.0	275.0			2.0	106.0	2.0	12.6	8.0	275.0	
3	2.0	1.2									2.0	1.2	
4	2.0	75.9									2.0	75.9	
ALL	7.0	88.3	5.0	275.0	2.0	65.8	4.0	346.0	4.0	12.6	22.0	346.0	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

49

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION/DAY													
COMMANDER													
1	4.0	93.2	3.0	187.0	4.0	9.2	4.0	1000.0	4.0	7.3	19.0	1000.0	
2	4.0	461.0	5.0	307.0			5.0	296.0	5.0	6.8	19.0	461.0	
3	4.0	5.2									4.0	5.2	
4	4.0	1.0											
ALL	16.0	461.0	8.0	307.0	4.0	9.2	9.0	1000.0	9.0	7.3	46.0	1000.0	
DRIVER													
1	4.0	43.8	4.0	214.0	4.0	8.6	4.0	632.0	4.0	11.3	20.0	632.0	
2	4.0	52.5	5.0	818.0			5.0	170.0	4.0	28.8	18.0	818.0	
3	4.0	44.8									4.0	44.8	
4	4.0	25.4									4.0	25.4	
ALL	16.0	52.5	9.0	818.0	4.0	8.6	9.0	632.0	8.0	28.8	46.0	818.0	
GUNNER													
1					2.0	3.6	2.0	137.0	2.0	2.8	6.0	137.0	
2							2.0	297.0	2.0	10.9	4.0	297.0	
ALL					2.0	3.6	4.0	297.0	4.0	10.9	10.0	297.0	
LOADER													
1	4.0	88.3	4.0	285.0	4.0	65.8	4.0	477.0	4.0	13.0	20.0	477.0	
2	2.0	36.6	6.0	778.0			5.0	457.0	5.0	13.0	18.0	778.0	
3	4.0	6.5									4.0	6.5	
4	4.0	75.9									4.0	75.9	
ALL	14.0	88.3	10.0	778.0	4.0	65.8	9.0	477.0	9.0	13.0	46.0	778.0	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL		
	FE		FE		FE		FE		FE		FE		FE
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
ALL													
DAY													
1	12.0	93.2	11.0	285.0	14.0	65.8	14.0	1000.0	14.0	13.0	65.0	1000.0	
2	10.0	461.0	16.0	818.0	.	.	17.0	457.0	16.0	28.8	59.0	818.0	
3	12.0	44.8	.	.	.	.	.	.	.	.	12.0	44.8	
4	12.0	75.9	.	.	.	.	.	.	.	.	12.0	75.9	
ALL	46.0	461.0	27.0	818.0	14.0	65.8	31.0	1000.0	30.0	28.8	148.0	1000.0	

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		FE			FE			FE			FE			FE			FE		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																			
COMMANDER	1	36.9	32.5	124.0	2.8	1.9	0.8	262.0	7.1	4.4	4.0	85.8	104.5						
	2	236.5	317.4	169.0	47.6			144.9	130.9	2.8	3.4	129.4	147.0						
	3	3.2	2.8									3.2	2.8						
	4	1.0	0.1									1.0	0.1						
	ALL	69.4	159.4	151.0	41.8	1.9	0.8	191.8	112.6	3.5	3.3	91.6	122.9						
DRIVER DAY																			
	1	27.1	23.6	102.5	128.0	3.9	4.8	258.5	262.3	1.3	0.4	78.7	141.5						
	2	32.9	27.6	168.3	76.5			122.7	45.1	9.0	0.7	95.7	79.9						
	3	22.9	31.0									22.9	31.0						
	4	0.9	0.0									0.9	0.0						
	ALL	21.0	22.2	142.0	91.2	3.9	4.8	177.0	154.1	5.1	4.5	74.6	106.2						
LOADER DAY																			
	1	34.8	23.7	156.9	181.1	4.7	5.3	446.0	43.8	11.8	1.7	130.9	186.8						
	2	36.6		525.7	238.9			210.3	222.7	6.9	5.4	226.5	271.5						
	3	3.8	3.8									3.8	3.8						
	4	1.4	0.5									1.4	0.5						
	ALL	16.7	20.1	378.2	278.4	4.7	5.3	304.6	204.8	8.9	4.8	149.4	221.3						
ALL DAY																			
	1	32.9	21.4	127.8	102.2	3.5	3.5	322.2	152.8	5.8	5.2	98.5	144.8						
	2	115.1	194.1	287.6	219.5			159.3	136.9	5.9	4.4	149.9	185.3						
	3	10.0	17.2									10.0	17.2						
	4	1.1	0.3									1.1	0.3						
	ALL	36.5	94.7	223.7	194.5	3.5	3.5	224.5	160.9	5.9	4.6	105.0	159.1						

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY															
COMMANDER	1	56.2	52.3	187.0		4.8	6.1	510.8	691.8	3.5	2.7	148.6	325.1		
	2	36.9	23.3	228.0	111.7			9.2	1.3	6.4	0.6	70.1	107.3		
	3	1.1	0.0									1.1	0.0		
	4	1.0	0.0									1.0	0.0		
	ALL	23.8	33.4	214.3	82.5	4.8	6.1	260.0	493.3	4.9	2.3	90.6	222.7		
DRIVER DAY															
	1	16.6	20.6	131.1	117.2	7.5	1.5	400.5	327.4	8.3	4.2	112.8	197.2		
	2	26.4	26.0	475.5	484.4			20.4	5.3	15.9	18.3	134.6	279.2		
	3	1.4	0.6									1.4	0.6		
	4	13.3	17.2									13.3	17.2		
	ALL	14.4	17.0	303.3	349.7	7.5	1.5	210.5	289.6	12.1	11.7	101.5	211.8		
GUNNER DAY															
	1					3.1	0.8	118.4	26.2	2.2	0.9	41.2	61.0		
	2							176.8	170.0	6.1	6.8	91.4	139.1		
	ALL					3.1	0.8	147.6	104.9	4.2	4.5	61.3	95.9		
LOADER DAY															
	1	57.1	44.1	50.8	21.2	34.2	44.7	222.0	175.3	3.9	2.7	73.6	102.0		
	2	21.4		197.3	73.1			57.4	68.8	10.0	3.6	93.5	99.6		
	3	1.1	0.0									1.1	0.0		
	4	38.8	52.4									38.8	52.4		
	ALL	30.8	36.6	138.7	96.0	34.2	44.7	139.7	144.4	7.0	4.4	71.1	93.0		
ALL DAY															
1		43.3	38.1	110.2	83.7	12.4	21.8	313.0	338.7	4.5	3.3	98.6	199.9		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

53

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		FE			FE			FE			FE		
		MEAN	STD	FE	MEAN	STD	FE	MEAN	STD	FE	MEAN	STD	FE
POSITION	DAY												
COMMANDER	1	46.6	37.3	145.0	36.4	3.4	3.9	386.4	424.5	3.9	2.8	115.6	231.3
	2	136.7	216.9	192.6	72.8	.	.	90.7	118.7	4.2	3.1	104.4	131.8
	3	2.2	2.0	.	.	.	.	.	.	.	.	2.2	2.0
	4	1.0	0.0	.	.	.	.	.	.	.	.	1.0	0.0
ALL		46.6	113.7	174.7	63.4	3.4	3.9	222.1	314.5	4.1	2.8	91.2	173.5
DRIVER	1	21.8	19.1	116.8	101.6	5.7	3.6	329.5	255.7	4.8	4.7	95.7	168.0
	2	29.7	22.2	291.2	299.8	.	.	81.8	64.5	12.5	11.3	113.0	189.4
	3	12.2	21.7	.	.	.	.	.	.	.	.	12.2	21.7
	4	7.1	12.2	.	.	.	.	.	.	.	.	7.1	12.2
ALL		17.7	19.4	213.7	239.3	5.7	3.6	191.9	208.9	8.6	9.0	87.5	163.9
GUNNER	1	.	.	.	.	3.1	0.8	118.4	26.2	2.2	0.9	41.2	61.0
	2	.	.	.	.	.	.	176.8	170.0	6.1	6.8	91.4	139.1
	3	.	.	.	.	3.1	0.8	147.6	104.9	4.2	4.5	61.3	95.9
	4	.	.	.	.	.	.	.	.	.	.	.	.
ALL		.	.	.	.	3.1	0.8	147.6	104.9	4.2	4.5	61.3	95.9
LOADER	1	46.0	31.6	103.9	121.8	19.4	31.1	334.0	166.1	7.9	4.9	102.2	149.4
	2	29.0	10.7	361.5	239.4	.	.	149.2	181.7	8.2	4.6	167.4	218.5
	3	2.5	2.7	.	.	.	.	.	.	.	.	2.5	2.7
	4	20.1	37.2	.	.	.	.	.	.	.	.	20.1	37.2
ALL		23.7	29.3	258.4	233.4	19.4	31.1	231.3	190.6	8.0	4.4	111.9	175.0
ALL	DAY	.	.	.	.	.	.	.	.	.	.	.	.
	1	38.1	29.9	119.8	90.0	8.6	16.8	316.9	266.0	5.1	4.1	98.5	175.3

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

55

ALL

		COMBINATION OF FORT & VEHICLE TYPE																							
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		MG			MG			MG			MG		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	6.7	2.0	12.6	2.0	5.0	2.0	81.7	2.0	4.2	10.0	81.7
	2	2.0	4.6	3.0	31.1	.	.	3.0	69.6	3.0	8.6	11.0	69.6
	3	2.0	21.6	.	.	.	.	.	.	.	.	2.0	21.6
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	21.6	5.0	31.1	2.0	5.0	5.0	81.7	5.0	8.6	25.0	81.7
DRIVER	DAY												
	1	2.0	2.1	2.0	20.3	2.0	1.9	2.0	59.4	2.0	2.1	10.0	59.4
	2	2.0	2.7	3.0	31.7	.	.	3.0	71.9	2.0	3.9	10.0	71.9
	3	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	4	2.0	7.0	.	.	.	.	.	.	.	.	2.0	7.0
	ALL	8.0	7.0	5.0	31.7	2.0	1.9	5.0	71.9	4.0	3.9	24.0	71.9
LOADER	DAY												
	1	2.0	2.1	2.0	35.3	2.0	5.8	2.0	75.7	2.0	5.8	10.0	75.7
	2	1.0	6.5	3.0	188.0	.	.	3.0	92.3	3.0	5.1	10.0	188.0
	3	2.0	2.2	.	.	.	.	.	.	.	.	2.0	2.2
	4	2.0	4.4	.	.	.	.	.	.	.	.	2.0	4.4
	ALL	7.0	6.5	5.0	188.0	2.0	5.8	5.0	92.3	5.0	5.8	24.0	188.0
ALL	DAY												
	1	6.0	6.7	6.0	35.3	6.0	5.8	6.0	81.7	6.0	5.8	30.0	81.7
	2	5.0	6.5	9.0	188.0	.	.	9.0	92.3	8.0	8.6	31.0	188.0
	3	6.0	21.6	.	.	.	.	.	.	.	.	6.0	21.6
	4	6.0	7.0	.	.	.	.	.	.	.	.	6.0	7.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

57

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		MG	MG	MG	MG	MG	MG				
# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
23.01	21.61	15.01	188.01	6.01	5.81	15.01	92.31	14.01	8.61	73.01	188.01
ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TANK & VEHICLE TYPE											
		STILL-MT09			BENNING-M3			KNOX-M60			CARSON-M60		
		MG			MG			MG			MG		
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION/DAY													
COMMANDER	1	2.0	10.6	1.0	4.7	2.0	3.3	2.0	68.9	2.0	4.0	9.0	68.9
	2	2.0	14.2	2.0	45.2	.	.	2.0	48.3	2.0	5.0	8.0	48.3
	3	2.0	3.9	.	.	.	.	.	.	.	.	2.0	3.9
	4	2.0	2.0	.	.	.	.	.	.	.	.	2.0	2.0
	ALL	8.0	14.2	3.0	45.2	2.0	3.3	4.0	68.9	4.0	5.0	21.0	68.9
DRIVER	1	2.0	2.1	2.0	25.4	2.0	2.9	2.0	66.6	2.0	10.6	10.0	66.6
	2	2.0	2.7	2.0	39.4	.	.	2.0	77.8	2.0	5.8	8.0	77.8
	3	2.0	1.8	.	.	.	.	.	.	.	.	2.0	1.8
	4	2.0	12.0	.	.	.	.	.	.	.	.	2.0	12.0
	ALL	8.0	12.0	4.0	39.4	2.0	2.9	4.0	77.8	4.0	10.6	22.0	77.8
GUNNER	1	.	.	.	.	2.0	16.3	2.0	77.4	2.0	6.4	6.0	77.4
	2	.	.	.	.	.	.	2.0	34.5	2.0	7.9	4.0	34.5
	3	.	.	.	.	2.0	16.3	4.0	77.4	4.0	7.9	10.0	77.4
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	4.0	4.0	4.0	4.0	16.3	4.0	77.4	4.0	10.6	22.0	77.8
LOADER	1	2.0	16.9	2.0	9.0	2.0	7.7	2.0	104.0	2.0	8.5	10.0	104.0
	2	1.0	2.7	3.0	45.7	.	.	2.0	52.6	2.0	11.0	8.0	52.6
	3	2.0	11.8	.	.	.	.	.	.	.	.	2.0	11.8
	4	2.0	13.9	.	.	.	.	.	.	.	.	2.0	13.9
	ALL	7.0	16.9	5.0	45.7	2.0	7.7	4.0	104.0	4.0	11.0	22.0	104.0

(CONTINUED)

(CONCENTRATION (EURECORC) OF SELECTED METALS (UG/M3)

59

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SUE-M109	BERRING-M3	EROS-M60	CARSON-M60	KNOX-M1	ALT	MG	MG	MG	MG	MG	MG
# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
1000	1	1	1	1	1	1	1	1	1	1	1	1
1	6.0	16.9	9.0	25.4	8.0	16.3	8.0	104.0	8.0	10.6	35.0	104.0
2	9.0	14.2	7.0	45.7	.1	.1	8.0	17.8	8.0	11.0	28.0	17.8
3	6.0	11.8	.1	.1	.1	.1	.1	.1	.1	.1	6.0	11.8
4	6.0	13.9	.1	.1	.1	.1	.1	.1	.1	.1	6.0	13.9
ALL	23.0	16.9	12.0	45.7	8.0	16.3	16.0	104.0	16.0	11.0	75.0	104.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
POSITION	DAY	SILL-M109		BENNING-M2		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		MG	# OF VHS.	MG	# OF VHS.	MG	# OF VHS.	MG	# OF VHS.	MG	# OF VHS.	MG	# OF VHS.
COMMANDER	1	4.0	10.6	3.0	12.6	4.0	5.0	4.0	81.7	4.0	4.2	19.0	81.7
	2	4.0	14.2	5.0	45.2	.	.	5.0	69.6	5.0	8.6	19.0	69.6
	3	4.0	21.6	.	.	.	.	.	.	.	.	4.0	21.6
	4	4.0	2.0	.	.	.	.	.	.	.	.	4.0	2.0
	ALL	16.0	21.6	8.0	45.2	4.0	5.0	9.0	81.7	9.0	8.6	46.0	81.7
DRIVER	1	4.0	2.1	4.0	25.4	4.0	2.9	4.0	66.6	4.0	10.6	20.0	66.6
	2	4.0	2.7	5.0	39.4	.	.	5.0	77.8	4.0	5.8	18.0	77.8
	3	4.0	1.8	.	.	.	.	.	.	.	.	4.0	1.8
	4	4.0	12.0	.	.	.	.	.	.	.	.	4.0	12.0
	ALL	16.0	12.0	9.0	39.4	4.0	2.9	9.0	77.8	8.0	10.6	46.0	77.8
GUNNER	1	.	.	.	.	2.0	16.3	2.0	77.4	2.0	6.4	6.0	77.4
	2	.	.	.	.	.	.	2.0	34.5	2.0	7.9	4.0	34.5
	ALL	.	.	.	.	2.0	16.3	4.0	77.4	4.0	7.9	10.0	77.4
	1	4.0	16.9	4.0	35.3	4.0	7.7	4.0	104.0	4.0	8.5	20.0	104.0
	2	2.0	6.5	6.0	188.0	.	.	5.0	92.3	5.0	11.0	18.0	188.0
LOADER	3	4.0	11.8	.	.	.	.	.	.	.	.	4.0	11.8
	4	4.0	13.9	.	.	.	.	.	.	.	.	4.0	13.9
	ALL	16.0	16.9	10.0	188.0	4.0	7.7	9.0	104.0	9.0	11.0	46.0	188.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

61

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BURNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
MG		MG		MG		MG		MG		MG		MG	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	12.0	16.9	11.0	35.3	14.0	16.3	14.0	104.0	14.0	10.6	65.0	104.0	
2	10.0	14.2	16.0	188.0	.	.	17.0	92.3	16.0	11.0	59.0	188.0	
3	12.0	21.6	.	.	.	.	.	.	.	.	12.0	21.6	
4	12.0	13.9	.	.	.	.	.	.	.	.	12.0	13.9	
ALL	46.0	21.6	27.0	188.0	14.0	16.3	31.0	104.0	30.0	11.0	148.0	188.0	

CONCENTRATION (P/P CONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE		GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE																					
				SILI-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
				MG		MG		MG		MG		MG		MG		MG		MG		MG		MG			
				MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
				POSITION	DAY																				
COMMANDER	1	4.2	3.6	8.5	5.8	3.6	2.0	76.4	7.5	3.1	1.6	19.2	30.4												
	2	3.6	1.5	19.0	12.9			64.0	5.6	4.3	3.9	24.5	27.0												
	3	11.4	14.5										11.4	14.5											
	4	1.0	0.1																						
	ALL	5.0	7.0	14.8	11.2	3.6	2.0	69.0	8.7	3.8	3.0	19.4	26.6												
DRIVER	1	1.6	0.8	12.7	10.7	1.5	0.6	53.5	8.3	1.5	0.8	14.2	21.7												
	2	2.6	0.1	24.3	6.6			60.0	12.9	2.3	2.3	26.3	26.1												
	3	1.0	0.0										1.0	0.0											
	4	4.0	4.2										4.0	4.2											
	ALL	2.3	2.0	19.6	9.5	1.5	0.6	57.4	10.6	1.9	1.5	17.3	23.0												
LOADER	1	1.6	0.8	19.8	21.9	3.9	2.6	74.6	1.6	4.2	2.3	20.8	30.1												
	2	6.5		123.9	81.2			67.5	21.5	4.3	1.1	59.3	65.6												
	3	2.2	0.0										2.2	0.0											
	4	2.7	2.3										2.7	2.3											
	ALL	2.8	2.0	82.2	81.6	3.9	2.6	70.3	15.7	4.2	1.4	33.8	50.6												
ALL	1	2.4	2.2	13.7	12.3	3.0	1.9	68.2	12.4	2.9	1.8	18.0	26.9												
	2	3.8	1.8	55.7	65.7			63.8	13.2	3.8	2.5	36.3	44.7												
	3	4.9	8.2										4.9	8.2											
	4	2.6	2.5										2.6	2.5											
	ALL	3.4	4.4	38.9	54.6	3.0	1.9	65.6	12.7	3.4	2.2	23.4	35.7												

CONCENTRATION (FIRE CONC) OF SELECTED METALS (UG/M3)

63

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-MC			KNOX-M60			CARSON-M60		
		MG	STD	MEAN	MG	STD	MEAN	MG	STD	MEAN	MG	STD	MEAN
POSITION	DAY	MG	STD	MEAN	MG	STD	MEAN	MG	STD	MEAN	MG	STD	MEAN
COMMANDER	1	1.2	4.9	4.7	2.7	0.9	47.7	29.9	3.9	0.2	14.2	21.9	
	2	8.4	8.2	39.6	7.9		39.3	12.7	4.5	0.7	23.0	18.9	
	3	2.5	2.0								2.5	2.0	
	4	1.5	0.7								1.5	0.7	
	ALL	4.9	4.9	28.0	20.9	2.7	43.5	19.4	4.2	0.6	15.2	19.4	
DRIVER	1	1.6	0.8	18.9	9.2	2.3	0.8	62.8	5.4	7.0	5.1	18.5	24.6
	2	2.6	0.1	31.7	10.8			57.0	29.3	4.4	2.0	24.0	26.6
	3	1.4	0.6								1.4	0.6	
	4	9.3	3.7								9.3	3.7	
	ALL	3.7	3.8	25.3	11.1	2.3	0.8	59.9	17.5	5.7	3.5	18.1	23.3
GUNNER	1					9.6	9.4	74.8	3.7	4.2	3.0	29.6	35.4
	2							32.8	2.4	7.4	0.7	20.1	14.7
	3					9.6	9.4	53.8	24.4	5.8	2.6	25.8	28.2
	4												
	ALL												
LOADER	1	9.5	10.5	8.5	0.7	4.7	4.3	63.0	57.9	5.3	4.5	18.2	30.9
	2	2.7		31.1	12.6			49.5	4.4	7.9	4.4	26.3	19.8
	3	11.5	0.4									11.5	0.4
	4	7.8	8.6									7.8	8.6
	ALL	8.6	6.3	22.1	15.3	4.7	4.3	56.3	34.4	6.6	4.0	19.6	24.1
ALL	DAY												
	1	6.1	6.3	11.9	8.0	4.8	5.0	62.1	26.8	5.1	3.1	19.2	27.1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

65

ALL

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		MG	MEAN	STD	MG	MEAN	STD	MG	MEAN	STD	MG	MEAN	STD
POSITION	DAY	MG	MEAN	STD	MG	MEAN	STD	MG	MEAN	STD	MG	MEAN	STD
COMMANDER	1	5.7	3.9	7.2	4.7	3.1	1.4	62.1	24.3	3.5	1.0	16.8	26.1
	2	6.0	5.6	27.2	15.1	.	.	54.1	15.4	4.4	2.8	23.8	23.3
	3	6.9	9.9	.	.	.	.	.	.	.	.	6.9	9.9
	4	1.2	0.5	.	.	.	.	.	.	.	.	1.2	0.5
	ALL	5.0	5.8	19.7	15.6	3.1	1.4	57.7	18.9	4.0	2.1	17.5	23.4
DRIVER	1	1.6	0.6	15.8	8.9	1.9	0.8	58.2	7.8	4.3	4.3	16.3	22.7
	2	2.6	0.1	27.3	8.2	.	.	58.8	17.4	3.4	2.1	25.2	25.6
	3	1.2	0.4	.	.	.	.	.	.	.	.	1.2	0.4
	4	6.7	4.5	.	.	.	.	.	.	.	.	6.7	4.5
	ALL	3.0	3.0	22.2	10.0	1.9	0.8	58.5	13.2	3.8	3.2	17.7	22.9
GUNNER	1	.	.	.	.	9.6	9.4	74.8	3.7	4.2	3.0	29.6	35.4
	2	.	.	.	.	.	.	32.8	2.4	7.4	0.7	20.1	14.7
	3	.	.	.	.	9.6	9.4	53.8	24.4	5.8	2.6	25.8	28.2
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	5.5	7.6	14.1	14.2	4.3	2.9	68.8	34.1	4.7	3.0	19.5	29.7
	2	4.6	2.7	77.5	72.7	.	.	60.3	18.2	5.7	3.1	44.7	52.2
	3	6.9	5.4	.	.	.	.	.	.	.	.	6.9	5.4
	4	5.3	5.9	.	.	.	.	.	.	.	.	5.3	5.9
	ALL	5.7	5.4	52.2	63.8	4.3	2.9	64.1	25.0	5.3	2.9	27.0	40.4
ALL	1	4.3	4.9	12.9	10.1	4.0	4.0	64.7	21.4	4.2	2.8	18.7	26.8

(CONTINUED)

CONCENTRATION (FIRLCONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORI & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	MG	MG	MG	MG	MG	MG	MG	MG
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY														
2	4.3	3.7	46.1	49.7			54.8	17.1	4.9	2.7	30.4	35.5		
3	5.0	6.5									5.0	6.5		
4	4.4	4.6									4.4	4.6		
ALL	4.5	4.9	32.6	41.7	4.0	4.0	59.3	19.5	4.6	2.7	21.1	29.9		

CONCENTRATION (FIRE CONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE	GENERAL AREA	COMBINATION OF FORT & VEHICLE TYPE											
		SB	SB	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SB	SB	SB	SB	SB
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	0.3	2.0	5.5	2.0	5.4	2.0	17.8	2.0	1.4	10.0	17.8
	2	2.0	2.5	3.0	3.8	.	.	3.0	32.3	3.0	0.3	11.0	32.3
	3	2.0	0.1	.	.	.	.	.	.	.	.	2.0	0.1
	4	2.0	0.2	.	.	.	.	.	.	.	.	2.0	0.2
ALL		8.0	2.5	5.0	5.5	2.0	5.4	5.0	32.3	5.0	1.4	25.0	32.3
DRIVER	DAY												
1		2.0	0.1	2.0	4.5	2.0	2.3	2.0	7.2	2.0	6.0	10.0	7.2
2		2.0	1.7	3.0	4.6	.	.	3.0	31.3	2.0	0.2	10.0	31.3
3		2.0	0.1	.	.	.	.	.	.	.	.	2.0	0.1
4		2.0	0.1	.	.	.	.	.	.	.	.	2.0	0.1
ALL		8.0	1.7	5.0	14.6	2.0	2.3	5.0	31.3	4.0	6.0	24.0	31.3
LOADER	DAY												
1		2.0	0.1	2.0	3.5	2.0	7.6	2.0	28.4	2.0	1.8	10.0	28.4
2		1.0	0.2	3.0	26.4	.	.	3.0	8.8	3.0	0.2	10.0	26.4
3		2.0	0.4	.	.	.	.	.	.	.	.	2.0	0.4
4		2.0	0.3	.	.	.	.	.	.	.	.	2.0	0.3
ALL		7.0	0.4	5.0	26.4	2.0	7.6	5.0	28.4	5.0	1.8	24.0	28.4
ALL	DAY												
1		6.0	0.3	6.0	5.5	6.0	7.6	6.0	28.4	6.0	6.0	30.0	28.4
2		5.0	2.5	9.0	26.4	.	.	9.0	32.3	8.0	0.3	31.0	32.3
3		6.0	0.4	.	.	.	.	.	.	.	.	6.0	0.4
4		6.0	0.3	.	.	.	.	.	.	.	.	6.0	0.3

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		ALL			SB			SB			SB		
		# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
POSITION DAY													
COMMANDER	1	2.0	0.4	1.0	1.6	2.0	2.8	2.0	11.4	2.0	1.4	9.0	11.4
	2	2.0	1.3	2.0	6.0	.	.	2.0	4.1	2.0	0.3	8.0	6.0
	3	2.0	0.0	.	.	.	.	.	.	.	.	2.0	0.0
	4	2.0	0.2	.	.	.	.	.	.	.	.	2.0	0.2
	ALL	8.0	1.3	3.0	6.0	2.0	2.8	4.0	11.4	4.0	1.4	21.0	11.4
	DAY												
DRIVER	1	2.0	0.3	2.0	3.0	2.0	4.5	2.0	14.8	2.0	2.6	10.0	14.8
	2	2.0	0.2	2.0	2.2	.	.	2.0	13.1	2.0	1.2	8.0	13.1
	3	2.0	0.1	.	.	.	.	.	.	.	.	2.0	0.1
	4	2.0	0.4	.	.	.	.	.	.	.	.	2.0	0.4
	ALL	8.0	0.4	4.0	3.0	2.0	4.5	4.0	14.8	4.0	2.6	22.0	14.8
	DAY												
GUNNER	1	.	.	.	.	2.0	5.3	2.0	36.8	2.0	2.4	6.0	36.8
	2	.	.	.	.	.	.	2.0	34.0	2.0	0.3	4.0	34.0
	ALL	.	.	.	.	2.0	5.3	4.0	36.8	4.0	2.4	10.0	36.8
	DAY												
	1	2.0	1.6	2.0	3.1	2.0	3.7	2.0	4.7	2.0	1.5	10.0	4.7
	2	1.0	0.4	3.0	5.1	.	.	2.0	23.1	2.0	0.3	8.0	23.1
LOADER	3	2.0	0.3	.	.	.	.	.	.	.	.	2.0	0.3
	4	2.0	0.4	.	.	.	.	.	.	.	.	2.0	0.4
	ALL	7.0	1.6	5.0	9.1	2.0	3.7	4.0	23.1	4.0	1.5	22.0	23.1
	DAY												
	1	2.0	1.6	2.0	3.1	2.0	3.7	2.0	4.7	2.0	1.5	10.0	4.7
	2	1.0	0.4	3.0	5.1	.	.	2.0	23.1	2.0	0.3	8.0	23.1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SB	SB	SB	SB	SB	SB
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
ALL	DAY	1	1.6	5.0	3.1	8.0	5.3	8.0	36.8	8.0	2.6	35.0	36.8
1		6.0	1.6	5.0	3.1	8.0	5.3	8.0	36.8	8.0	2.6	35.0	36.8
2		5.0	1.3	7.0	6.0	1	1	8.0	34.0	8.0	1.2	28.0	34.0
3		6.0	0.3	1	1	1	1	1	1	1	1	6.0	0.3
4		6.0	0.4	1	1	1	1	1	1	1	1	6.0	0.4
ALL		23.0	1.6	12.0	6.0	8.0	5.3	16.0	36.8	16.0	2.6	75.0	36.8

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

71

ALL

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		SB			SB			SB			SB		
		# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	4.0	0.4	3.0	5.5	4.0	5.4	4.0	17.8	4.0	1.4	19.0	17.8
	2	4.0	2.5	5.0	6.0			5.0	32.3	5.0	0.3	19.0	32.3
	3	4.0	0.1									4.0	0.1
	4	4.0	0.2									4.0	0.2
	ALL	16.0	2.5	8.0	6.0	4.0	5.4	9.0	32.3	9.0	1.4	46.0	32.3
DRIVER	DAY												
	1	4.0	0.3	4.0	4.5	4.0	4.5	4.0	14.8	4.0	6.0	20.0	14.8
	2	4.0	1.7	5.0	14.6			5.0	31.3	4.0	1.2	18.0	31.3
	3	4.0	0.1									4.0	0.1
	4	4.0	0.4									4.0	0.4
	ALL	16.0	1.7	9.0	14.6	4.0	4.5	9.0	31.3	8.0	6.0	46.0	31.3
GUNNER	DAY												
	1					2.0	5.3	2.0	36.8	2.0	2.4	6.0	36.8
	2							2.0	34.0	2.0	0.3	4.0	34.0
	ALL					2.0	5.3	4.0	36.8	4.0	2.4	10.0	36.8
LOADER	DAY												
	1	4.0	1.6	4.0	3.5	4.0	7.6	4.0	28.4	4.0	1.8	20.0	28.4
	2	2.0	0.4	6.0	26.4			5.0	23.1	5.0	0.3	18.0	26.4
	3	4.0	0.4									4.0	0.4
	4	4.0	0.4									4.0	0.4
	ALL	14.0	1.6	10.0	26.4	4.0	7.6	9.0	28.4	9.0	1.8	46.0	28.4

(CONTINUED)

CONCENTRATION (FIRE CONC.) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORD & VEHICLE TYPE													
STILL-M109		BINNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
SB		SB		SB		SB		SB		SB		SB	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	12.0	1.6	11.0	5.5	14.0	7.6	14.0	36.8	14.0	6.0	65.0	36.8	
2	10.0	2.5	16.0	26.4	.	.	17.0	34.0	16.0	1.2	59.0	34.0	
3	12.0	0.4	.	.	.	.	.	.	.	.	12.0	0.4	
4	12.0	0.4	.	.	.	.	.	.	.	.	12.0	0.4	
ALL	46.0	7.5	27.0	26.4	14.0	7.6	31.0	36.8	30.0	6.0	148.0	36.8	

CONCENTRATION (FIRCONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SB	SB	SB	SB	SB	SB
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMANDER	1	0.2	0.2	3.7	2.5	4.8	0.9	10.7	10.0	0.8	0.9	4.0	5.3
	2	1.3	1.7	2.6	1.4	.	.	17.5	15.4	0.2	0.1	5.8	10.3
	3	0.1	0.0	.	.	.	.	.	.	.	.	0.1	0.0
	4	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	ALL	0.5	0.8	3.0	1.7	4.8	0.9	14.8	12.5	0.4	0.6	4.2	7.6
DRIVER DAY													
1	1	0.1	0.1	2.9	2.2	2.1	0.3	4.7	3.5	3.7	3.3	2.7	2.4
	2	1.0	1.1	5.7	7.7	.	.	13.4	16.0	0.2	0.0	5.9	10.1
	3	0.1	0.1	.	.	.	.	.	.	.	.	0.1	0.1
	4	0.1	0.0	.	.	.	.	.	.	.	.	0.1	0.0
	ALL	0.3	0.6	4.6	5.8	2.1	0.3	9.9	12.4	2.0	2.8	3.6	6.9
LOADER DAY													
1	1	0.1	0.1	3.3	0.4	7.1	0.7	15.8	17.9	1.7	0.1	5.6	8.4
	2	0.2	.	11.3	13.4	.	.	5.0	4.0	0.1	0.1	4.9	8.2
	3	0.3	0.2	.	.	.	.	.	.	.	.	0.3	0.2
	4	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	ALL	0.2	0.1	8.1	10.4	7.1	0.7	9.3	11.1	3	0.9	4.4	7.6
ALL DAY													
1	1	0.1	0.1	3.3	1.6	4.6	2.3	10.4	10.5	2.1	2.0	4.1	5.8
	2	1.0	1.1	6.5	8.6	.	.	12.0	12.6	0.2	0.1	5.6	9.3
	3	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	4	0.1	0.1	.	.	.	.	.	.	.	.	0.1	0.1
	ALL	0.3	0.6	5.2	6.8	4.6	2.3	11.4	11.4	1.0	1.6	4.1	7.3

CONCENTRATION (FIRLCONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																					
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		SB		MEAN	STD	SB		MEAN	STD	SB		MEAN	STD	SB		MEAN	STD	SB		MEAN	STD		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION DAY																							
COMMANDER	1	0.3	0.2	1.6			1.7	1.5		8.1	4.6	1.3	0.1	2.7	3.6								
	2	1.2	0.2	3.9	3.0				3.8	0.3	0.2	0.1	2.3	2.1									
	3	0.0	0.0											0.0	0.0								
	4	0.1	0.1																				
	ALL	0.4	0.5	3.1	2.5	1.7	1.5	6.0	3.7	0.8	0.6	2.1	2.8										
DRIVER	1	0.2	0.2	2.7	0.5	3.5	1.4	10.0	6.7	2.2	0.6	3.7	4.2										
	2	0.2	0.0	1.8	0.6			7.3	8.2	0.8	0.6	2.5	4.3										
	3	0.1	0.0											0.1	0.0								
	4	0.3	0.1																				
	ALL	0.2	0.1	2.2	0.7	3.5	1.4	8.7	6.3	1.5	1.0	2.6	3.9										
GUNNER	1					3.0	3.2	20.0	23.7	2.2	0.2	8.4	14.0										
	2							17.3	23.6	0.2	0.1	8.7	16.8										
	3					3.0	3.2	18.7	19.4	1.2	1.2	8.6	14.3										
	4																						
	ALL																						
LOADER	1	0.9	1.0	2.4	1.0	3.5	0.2	4.3	0.5	1.1	0.6	2.5	1.5										
	2	0.4		3.7	2.3			16.2	9.8	0.2	0.1	5.5	7.8										
	3	0.2	0.1											0.2	0.1								
	4	0.4	0.0																				
	ALL	0.5	0.5	3.2	1.8	3.5	0.2	10.3	8.9	0.6	0.6	3.2	5.0										
ALL	DAY																						
	1	0.5	0.6	2.4	0.7	3.0	1.7	10.6	11.3	1.7	0.6	3.9	6.5										

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

75

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN
STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
ALL	DAY											
2	0.6	3.2	2.0		11.1	11.9	0.4	0.4	4.2	7.7		
3	0.1								0.1	0.1		
4	0.3	0.1							0.3	0.1		
ALL	0.4	2.9	1.6	3.0	1.7	10.9	11.2	1.0	0.9	3.4	6.5	

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SB	SB	SB	SB	SB	SB
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMANDER	1	0.2	0.2	3.0	2.2	3.3	2.0	9.4	6.5	1.0	0.6	3.4	4.5
	2	1.3	1.0	3.1	1.9	.	.	12.1	13.2	0.2	0.1	4.3	8.0
	3	0.1	0.1	.	.	.	.	.	.	.	.	0.1	0.1
	4	0.1	0.1	.	.	.	.	.	.	.	.	0.1	0.1
	ALL	0.4	0.7	3.1	1.9	3.3	2.0	10.9	10.3	0.6	0.6	3.2	6.0
DRIVER													
1	1	0.1	0.1	2.8	1.3	2.8	1.2	7.4	5.3	2.9	2.1	3.2	3.4
	2	0.6	0.8	4.1	5.9	.	.	10.9	12.5	0.5	0.5	4.4	8.0
	3	0.1	0.0	.	.	.	.	.	.	.	.	0.1	0.0
	4	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	ALL	0.3	0.4	3.5	4.3	2.8	1.2	9.4	9.6	1.7	1.9	3.2	5.6
GUNNER													
1	1	.	.	.	.	3.0	3.2	20.0	23.7	2.2	0.2	8.4	14.0
	2	.	.	.	.	.	.	17.3	23.6	0.2	0.1	8.7	16.8
	3	.	.	.	.	3.0	3.2	18.7	19.4	1.2	1.2	3.6	14.3
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.
LOADER													
1	1	0.5	0.7	2.9	0.8	5.3	2.1	10.0	12.3	1.4	0.5	4.0	6.1
	2	0.3	0.1	7.5	9.5	.	.	9.5	8.3	0.2	0.1	5.2	7.8
	3	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	4	0.3	0.1	.	.	.	.	.	.	.	.	0.3	0.1
	ALL	0.3	0.4	5.6	7.5	5.3	2.1	9.7	9.6	0.7	0.7	3.8	6.4
ALL													
1	1	0.3	0.4	2.9	1.3	3.7	2.1	10.5	10.6	1.9	1.4	4.0	6.1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

77

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY												
2	0.8	0.8	5.1	6.7			11.6	11.9	0.3	0.3	4.9	8.5
3	0.1	0.1									0.1	0.1
4	0.2	0.1									0.2	0.1
ALL	0.3	0.5	4.2	5.2	3.7	2.1	11.1	11.1	1.0	1.2	3.7	6.9

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SR	SR	SR	SR	SR	SR
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION/DAY													
COMMANDER	1	2.0	0.1	2.0	2.8	2.0	2.2	2.0	2.6	2.0	0.2	10.0	2.8
	2	2.0	0.2	3.0	5.7	.1	.1	3.0	2.0	3.0	0.8	11.0	5.7
	3	2.0	1.2	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.2
	4	2.0	1.0	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.0
	ALL	8.0	1.2	5.0	5.7	2.0	2.2	5.0	2.6	5.0	0.8	25.0	5.7
DRIVER	1	2.0	0.1	2.0	2.2	2.0	1.2	2.0	1.8	2.0	0.7	10.0	2.2
	2	2.0	0.2	3.0	6.4	.1	.1	3.0	2.3	2.0	0.4	10.0	6.4
	3	2.0	1.0	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.0
	4	2.0	1.0	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.0
	ALL	8.0	1.0	5.0	6.4	2.0	1.2	5.0	2.3	4.0	0.7	24.0	6.4
LOADER	1	2.0	0.1	2.0	1.1	2.0	2.7	2.0	2.3	2.0	1.2	10.0	2.7
	2	1.0	0.2	3.0	10.1	.1	.1	3.0	2.6	3.0	0.7	10.0	10.1
	3	2.0	1.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.1
	4	2.0	1.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.1
	ALL	7.0	1.1	5.0	10.1	2.0	2.7	5.0	2.6	5.0	1.2	24.0	10.1
ALL	1	6.0	0.1	6.0	2.8	6.0	2.7	6.0	2.6	6.0	1.1	30.0	2.8
	2	5.0	0.2	9.0	10.1	.1	.1	9.0	2.6	8.0	0.8	31.0	10.1
	3	6.0	1.2	.1	.1	.1	.1	.1	.1	.1	.1	6.0	1.2
	4	6.0	1.1	.1	.1	.1	.1	.1	.1	.1	.1	6.0	1.1
	ALL	23.0	1.1	21.0	21.0	12.0	5.9	21.0	5.4	21.0	2.1	98.0	15.1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		SR	SR	SR	SR	SR	SR						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	FALL	23.0	1.2	15.0	10.1	6.0	2.7	15.0	2.6	14.0	1.2	73.0	10.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
SR		SR		SR		SR		SR		SR			
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND-1	2.0	0.1	1.0	0.8	2.0	1.0	2.0	2.0	0.7	9.0	2.0		
2	2.0	0.2	2.0	9.3	.	2.0	4.6	2.0	0.7	8.0	9.3		
3	2.0	1.1	.	.	.	.	.	.	.	2.0	1.1		
4	2.0	1.0	.	.	.	.	.	.	.	2.0	1.0		
ALL	8.0	1.1	3.0	9.3	2.0	1.0	4.0	4.6	0.7	21.0	9.3		
DRIVER													
1	2.0	0.1	2.0	1.6	2.0	1.1	2.0	1.7	2.0	1.2	10.0	1.7	
2	2.0	0.2	2.0	2.4	.	2.0	1.7	2.0	0.2	8.0	2.4		
3	2.0	1.8	.	.	.	.	.	.	.	2.0	1.8		
4	2.0	1.4	.	.	.	.	.	.	.	2.0	1.4		
ALL	8.0	1.8	4.0	2.4	2.0	1.1	4.0	1.7	4.0	1.2	22.0	2.4	
GUNNER													
1	.	.	.	.	2.0	1.4	2.0	2.5	2.0	1.3	6.0	2.5	
2	.	.	.	.	.	.	2.0	1.7	2.0	0.2	4.0	1.7	
ALL	.	.	.	.	2.0	1.4	4.0	2.5	4.0	1.3	10.0	2.5	
LOADER													
1	2.0	0.4	2.0	1.9	2.0	2.6	2.0	2.3	2.0	1.3	10.0	2.6	
2	1.0	0.2	3.0	6.9	.	2.0	1.7	2.0	0.7	8.0	6.9		
3	2.0	1.2	.	.	.	.	.	.	.	2.0	1.2		
4	2.0	1.7	.	.	.	.	.	.	.	2.0	1.7		
ALL	7.0	1.7	5.0	6.9	2.0	2.6	4.0	2.3	4.0	1.3	22.0	6.9	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		SR		SR		SR		SR		SR		SR	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
ALL	DAY												
	1	6.0	0.4	5.0	1.9	8.0	2.6	8.0	2.5	8.0	1.3	35.0	2.6
	2	5.0	0.2	7.0	9.3			8.0	4.6	8.0	0.7	28.0	9.3
	3	6.0	1.8									6.0	1.8
	4	6.0	1.7									6.0	1.7
	ALL	23.0	1.8	12.0	9.3	8.0	2.6	16.0	4.6	16.0	1.3	75.0	9.3

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SR	SR	SR	SR	SR	SR	SR	SR
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
COMMANDER	1	4.0	0.1	3.0	2.8	4.0	2.2	4.0	2.6	4.0	0.7	19.0	2.8	2.8
	2	4.0	0.2	5.0	9.3	.	.	5.0	4.6	5.0	0.8	19.0	9.3	9.3
	3	4.0	1.2	.	.	.	.	.	.	.	.	4.0	1.2	1.2
	4	4.0	1.0	.	.	.	.	.	.	.	.	4.0	1.0	1.0
	ALL	16.0	1.2	8.0	9.3	4.0	2.2	9.0	4.6	9.0	0.8	46.0	9.3	9.3
DRIVER	1	4.0	0.1	4.0	2.2	4.0	1.2	4.0	1.8	4.0	1.2	20.0	2.2	2.2
	2	4.0	0.2	5.0	6.4	.	.	5.0	2.3	4.0	0.7	18.0	6.4	6.4
	3	4.0	1.8	.	.	.	.	.	.	.	.	4.0	1.8	1.8
	4	4.0	1.4	.	.	.	.	.	.	.	.	4.0	1.4	1.4
	ALL	16.0	1.8	9.0	6.4	4.0	1.2	9.0	2.3	8.0	1.2	46.0	6.4	6.4
GUNNER	1	.	.	.	.	2.0	1.4	2.0	2.5	2.0	1.3	6.0	2.5	2.5
	2	.	.	.	.	.	.	2.0	1.7	2.0	0.2	4.0	1.7	1.7
	3	.	.	.	.	2.0	1.4	4.0	2.5	4.0	1.3	10.0	2.5	2.5
	4	.	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	2.0	1.4	4.0	2.5	4.0	1.3	10.0	2.5	2.5
LOADER	1	4.0	0.4	4.0	1.9	4.0	2.7	4.0	2.3	4.0	1.3	20.0	2.7	2.7
	2	2.0	0.2	6.0	10.1	.	.	5.0	2.6	5.0	0.7	18.0	10.1	10.1
	3	4.0	1.2	.	.	.	.	.	.	.	.	4.0	1.2	1.2
	4	4.0	1.7	.	.	.	.	.	.	.	.	4.0	1.7	1.7
	ALL	14.0	1.7	10.0	10.1	4.0	2.7	9.0	2.6	9.0	1.3	46.0	10.1	10.1

(CONTINUED)

CONCENTRATION (FIRE CONC) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BLUNTING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
SR		SR		SR		SR		SR		SR		SR	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	12.0	0.4	11.0	2.8	14.0	2.7	14.0	2.6	14.0	1.3	65.0	2.8	
2	10.0	0.2	16.0	10.1	.	.	17.0	4.6	16.0	0.8	59.0	10.1	
3	12.0	1.8	.	.	.	.	.	.	.	.	12.0	1.8	
4	12.0	1.7	.	.	.	.	.	.	.	.	12.0	1.7	
ALL	46.0	1.8	27.0	10.1	14.0	2.7	31.0	4.6	30.0	1.3	148.0	10.1	

CONCENTRATION (FIRE CONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE		GENERAL AREA														
		COMBINATION OF FORT & VEHICLE TYPE														
		STILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1		
					SR			SR			SR			SR		
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD	
POSITION DAY																
COMMANDER	1	0.1	0.1	1.9	1.3	1.7	0.7	2.3	0.4	0.2	0.1	1.2	1.1			
	2	0.2	0.0	3.4	2.2	.	.	1.8	0.2	0.4	0.3	1.6	1.7			
	3	1.2	0.1	.	.	.	.	.	.	.	.	1.2	0.1		
	4	1.0	0.1	.	.	.	.	.	.	.	.	1.0	0.1		
	ALL	0.6	0.5	2.8	1.9	1.7	0.7	2.0	0.4	0.3	0.3	1.4	1.3			
DRIVER	1	0.1	0.1	1.5	0.9	0.9	0.4	1.7	0.1	0.5	0.3	0.9	0.7			
	2	0.2	0.0	3.0	3.0	.	.	2.0	0.5	0.2	0.2	1.6	1.9			
	3	1.0	0.0	.	.	.	.	.	.	.	.	1.0	0.0		
	4	0.9	0.0	.	.	.	.	.	.	.	.	0.9	0.0		
	ALL	0.6	0.5	2.4	2.3	0.9	0.4	1.9	0.4	0.3	0.3	1.2	1.3			
LOADER	1	0.1	0.1	1.0	0.0	2.0	0.9	2.3	0.1	0.9	0.4	1.3	0.9			
	2	0.2	.	6.6	5.0	.	.	2.3	0.3	0.3	0.3	2.8	3.6			
	3	1.1	0.0	.	.	.	.	.	.	.	.	1.1	0.0		
	4	1.0	0.1	.	.	.	.	.	.	.	.	1.0	0.1		
	ALL	0.6	0.5	4.4	4.7	2.0	0.9	2.3	0.2	0.5	0.5	1.9	2.5			
ALL	1	0.1	0.0	1.5	0.8	1.6	0.8	2.1	0.3	0.5	0.4	1.2	0.9			
	2	0.2	0.0	4.4	3.5	.	.	2.0	0.4	0.3	0.3	2.0	2.5			
	3	1.1	0.1	.	.	.	.	.	.	.	.	1.1	0.1		
	4	1.0	0.1	.	.	.	.	.	.	.	.	1.0	0.1		
	ALL	0.6	0.5	3.2	3.1	1.6	0.8	2.1	0.4	0.4	0.3	1.5	1.8			

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																					
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		SR		SR		SR		SR		SR		SR		SR		SR		SR		SR			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION DAY																							
COMMANDER	1	0.1	0.1	0.8				0.6	0.7	1.3	1.1	0.5	0.4	0.6	0.6								
	2	0.2	0.0	5.4	5.5					3.0	2.3	0.4	0.4	2.2	3.2								
	3	1.1	0.0											1.1	0.0								
	4	1.0	0.0											1.0	0.0								
	ALL	0.6	0.5	3.9	4.7	0.6	0.7	2.1	1.8	0.4	0.3	1.3	2.1										
DRIVER	1	0.1	0.1	1.3	0.4	1.0	0.1	1.4	0.3	1.0	0.2	1.0	0.2	1.0	0.5								
	2	0.2	0.0	1.8	0.9			1.6	0.2	0.1	0.0	0.9	0.9										
	3	1.4	0.6											1.4	0.6								
	4	1.3	0.2											1.3	0.2								
	ALL	0.8	0.7	1.5	0.6	1.0	0.1	1.5	0.2	0.6	0.5	1.0	0.7										
GUNNER	1							0.9	0.7	2.5	0.0	1.1	0.3	1.5	0.8								
	2									1.5	0.2	0.2	0.0	0.9	0.8								
	3							0.9	0.7	2.0	0.6	0.6	0.6	1.2	0.8								
	4																						
	ALL																						
LOADER	1	0.2	0.2	1.4	0.7	1.7	1.2	1.4	1.3	0.8	0.8	1.1	0.9										
	2	0.2		4.6	3.3			1.7	0.1	0.4	0.4	2.3	2.6										
	3	1.1	0.0											1.1	0.0								
	4	1.5	0.4											1.5	0.4								
	ALL	0.8	0.6	3.3	2.9	1.7	1.2	1.6	0.8	0.6	0.5	1.6	1.7										
ALL	1	0.1	0.1	1.2	0.5	1.1	0.7	1.7	0.8	0.8	0.4	1.0	0.8										

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE																
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL	
		SR			SR			SR			SR			SR			SR	
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD
ALL	DAY																	
	2	0.2	0.0	4.0	3.3			1.9	1.1	0.3	0.2	1.7	2.3					
	3	1.2	0.3										0.3					
	4	1.2	0.3															
ALL		0.7	0.6	2.9	2.9	1.1	0.7	1.8	0.9	0.6	0.4	1.3	1.5					

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

87

ALL	COMBINATION OF FORI & VEHICLE TYPE															
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
	SR	STD	MEAN	SID	SR	STD	MEAN	SID	SR	STD	MEAN	SID	SR	STD	MEAN	SID
POSITION	DAY															
COMMANDER	1	0.1	0.0	1.5	1.1	1.1	0.9	1.8	0.9	0.3	0.3	0.3	0.9	0.3	0.9	0.9
	2	0.2	0.0	4.2	3.4			2.2	1.3	0.4	0.3	1.8	2.4			
	3	1.1	0.1													
	4	1.0	0.0													
	ALL	0.6	0.5	3.2	2.9	1.1	0.9	2.0	1.1	0.4	0.3	1.3	1.7			
DRIVER	1	0.1	0.0	1.4	0.6	1.0	0.3	1.6	0.3	0.7	0.4	1.0	0.6			
	2	0.2	0.0	2.5	2.3			1.8	0.4	0.2	0.1	1.3	1.5			
	3	1.2	0.4													
	4	1.1	0.2													
	ALL	0.7	0.6	2.0	1.7	1.0	0.3	1.7	0.3	0.5	0.4	1.1	1.0			
GUNNER	1															
	2															
	3															
	4															
	ALL															
LOADER	1	0.2	0.1	1.2	0.5	1.9	0.9	1.9	0.9	0.9	0.5	1.2	0.9			
	2	0.2	0.0	5.6	3.9			2.1	0.4	0.3	0.3	2.6	3.2			
	3	1.1	0.0													
	4	1.2	0.4													
	ALL	0.7	0.6	3.8	3.7	1.9	0.9	2.0	0.6	0.6	0.5	1.7	2.1			
ALL	DAY															
1		0.1	0.1	1.4	0.7	1.3	0.8	1.9	0.7	0.7	0.4	1.1	0.8			

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	SR		SR		SR		SR		SR		SR			
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
DAY														
2	0.2	0.0	4.2	3.3			2.0	0.8	0.3	0.3	1.8	2.4		
3	1.2	0.2									1.2	0.2		
4	1.1	0.3									1.1	0.3		
ALL	0.7	0.5	3.1	2.9	1.3	0.8	1.9	0.7	0.5	0.4	1.4	1.6		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TI	TI	TI	TI	TI	TI						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	1.5	2.0	6.3	2.0	2.3	2.0	8.5	2.0	4.8	10.0	8.5
	2	2.0	0.9	3.0	8.5			3.0	8.3	3.0	2.6	11.0	8.5
	3	2.0	1.2									2.0	1.2
	4	2.0	1.0									2.0	1.0
	ALL	8.0	1.5	5.0	8.5	2.0	2.3	5.0	8.5	5.0	4.8	25.0	8.5
DRIVER													
	1	2.0	2.1	2.0	5.8	2.0	0.8	2.0	5.6	2.0	2.6	10.0	5.8
	2	2.0	0.9	3.0	10.2			3.0	7.1	2.0	1.6	10.0	10.2
	3	2.0	1.0									2.0	1.0
	4	2.0	1.0									2.0	1.0
	ALL	8.0	2.1	5.0	10.2	2.0	0.8	5.0	7.1	4.0	2.6	24.0	10.2
LOADER													
	1	2.0	0.7	2.0	10.7	2.0	2.4	2.0	8.5	2.0	6.9	10.0	10.7
	2	1.0	0.8	3.0	49.9			3.0	7.9	3.0	2.2	10.0	49.9
	3	2.0	1.1									2.0	1.1
	4	2.0	1.2									2.0	1.2
	ALL	7.0	1.2	5.0	49.9	2.0	2.4	5.0	8.5	5.0	6.9	24.0	49.9
ALL													
	1	6.0	2.1	6.0	10.7	6.0	2.4	6.0	8.5	6.0	6.9	30.0	10.7
	2	5.0	0.9	9.0	49.9			9.0	8.3	8.0	2.6	31.0	49.9
	3	6.0	1.2									6.0	1.2
	4	6.0	1.2									6.0	1.2
	ALL	23.0	1.6	21.0	49.9	17.0	2.4	21.0	16.8	23.0	11.5	93.0	49.9

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

91

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TI		TI		TI		TI		TI		TI	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	2.1	1.0	1.6	2.0	2.0	5.1	2.0	3.2	9.0	5.1	
	2	2.0	1.8	2.0	13.0	.	2.0	10.2	2.0	2.8	8.0	13.0	
	3	2.0	1.1	.	.	.	.	.	.	.	2.0	1.1	
	4	2.0	1.0	.	.	.	.	.	.	.	2.0	1.0	
	ALL	8.0	2.1	3.0	13.0	2.0	2.0	10.2	4.0	3.2	21.0	13.0	
DRIVER	DAY												
	1	2.0	0.7	2.0	9.5	2.0	1.6	8.3	2.0	3.7	10.0	9.5	
	2	2.0	0.9	2.0	12.2	.	2.0	5.6	2.0	1.9	8.0	12.2	
	3	2.0	1.8	.	.	.	.	.	.	.	2.0	1.8	
	4	2.0	4.3	.	.	.	.	.	.	.	2.0	4.3	
ALL	8.0	4.3	4.0	12.2	2.0	1.6	8.3	4.0	3.7	22.0	12.2		
GUNNER	DAY												
	1	.	.	.	.	2.0	2.5	10.0	2.0	4.8	6.0	10.0	
	2	.	.	.	.	.	.	6.9	2.0	2.2	4.0	6.9	
	ALL	.	.	.	.	2.0	2.5	10.0	4.0	4.8	10.0	10.0	
	DAY												
LOADER	1	2.0	2.1	2.0	4.5	2.0	1.9	14.1	2.0	5.3	10.0	14.1	
	2	1.0	0.9	3.0	13.3	.	2.0	5.8	2.0	2.5	8.0	13.3	
	3	2.0	1.2	.	.	.	.	.	.	.	2.0	1.2	
	4	2.0	1.7	.	.	.	.	.	.	.	2.0	1.7	
	ALL	7.0	2.1	5.0	13.3	2.0	1.9	14.1	4.0	5.3	22.0	14.1	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TI	TI	TI	TI	TI	TI						TI
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	DAY												
	1	6.0	2.1	5.0	9.5	8.0	2.5	8.0	14.1	8.0	5.3	35.0	14.1
	2	5.0	1.8	7.0	13.3			8.0	10.2	8.0	2.8	28.0	13.3
	3	6.0	1.8									6.0	1.8
	4	6.0	4.3									6.0	4.3
	ALL	23.0	4.3	12.0	13.3	8.0	2.5	16.0	14.1	16.0	5.3	75.0	14.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

93

ALL

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TI		TI		TI		TI		TI		TI	
POSITION	DAY	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	4.0	2.1	3.0	6.3	4.0	2.3	4.0	8.5	4.0	4.8	19.0	8.5
	2	4.0	1.8	5.0	13.0	.	.	5.0	10.2	5.0	2.8	19.0	13.0
	3	4.0	1.2	.	.	.	.	.	.	.	.	4.0	1.2
	4	4.0	1.0	.	.	.	.	.	.	.	.	4.0	1.0
	ALL	16.0	2.1	8.0	13.0	4.0	2.3	9.0	10.2	9.0	4.8	46.0	13.0
DRIVER	1	4.0	2.1	4.0	9.5	4.0	1.6	4.0	8.3	4.0	3.7	20.0	9.5
	2	4.0	0.9	5.0	12.2	.	.	5.0	7.1	4.0	1.9	18.0	12.2
	3	4.0	1.8	.	.	.	.	.	.	.	.	4.0	1.8
	4	4.0	4.3	.	.	.	.	.	.	.	.	4.0	4.3
	ALL	16.0	4.3	9.0	12.2	4.0	1.6	9.0	8.3	8.0	3.7	46.0	12.2
GUNNER	1	.	.	.	.	2.0	2.5	2.0	10.0	2.0	4.8	6.0	10.0
	2	.	.	.	.	.	.	2.0	6.9	2.0	2.2	4.0	6.9
	ALL	.	.	.	.	2.0	2.5	4.0	10.0	4.0	4.8	10.0	10.0
	DAY	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	4.0	2.1	4.0	10.7	4.0	2.4	4.0	14.1	4.0	6.9	20.0	14.1
	2	2.0	0.9	6.0	49.9	.	.	5.0	7.9	5.0	2.5	18.0	49.9
	3	4.0	1.2	.	.	.	.	.	.	.	.	4.0	1.2
	4	4.0	1.7	.	.	.	.	.	.	.	.	4.0	1.7
	ALL	14.0	2.1	10.0	49.9	4.0	2.4	9.0	14.1	9.0	6.9	46.0	49.9

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	T1	T1	T1	T1	T1	T1						
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	MAX	MAX	MAX	MAX	MAX	MAX
DAY												
1	12.0	2.1	11.0	10.7	14.0	2.5	14.0	14.1	14.0	6.9	65.0	14.1
2	10.0	1.8	16.0	49.9	.	.	17.0	10.2	16.0	2.8	59.0	49.9
3	12.0	1.8	.	.	.	.	.	.	.	.	12.0	1.8
4	12.0	4.3	.	.	.	.	.	.	.	.	12.0	4.3
ALL	46.0	4.3	27.0	49.9	14.0	2.5	31.0	14.1	30.0	6.9	148.0	49.9

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

95

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
											KNOX-M1		
		TI			TI			TI			TI		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	0.9	0.8	4.6	2.4	2.2	0.2	8.0	0.8	2.9	2.7	3.7	2.9
	2	0.9	0.1	6.5	2.6	.	.	7.5	1.2	1.6	1.2	4.4	3.3
	3	1.2	0.1	.	.	.	.	.	.	.	.	1.2	0.1
	4	1.0	0.1	.	.	.	.	.	.	.	.	1.0	0.1
	ALL	1.0	0.3	5.7	2.4	2.2	0.2	7.7	1.0	2.1	1.7	3.6	3.0
DRIVER	1	1.2	1.3	3.8	2.9	0.8	0.0	5.4	0.3	2.4	0.3	2.7	2.1
	2	0.9	0.0	7.7	2.6	.	.	6.1	0.9	1.3	0.5	4.6	3.3
	3	1.0	0.0	.	.	.	.	.	.	.	.	1.0	0.0
	4	0.9	0.0	.	.	.	.	.	.	.	.	0.9	0.0
	ALL	1.0	0.5	6.1	3.2	0.8	0.0	5.8	0.8	1.9	0.7	3.2	2.8
LOADER	1	0.5	0.3	7.5	4.5	2.3	0.1	8.2	0.5	4.7	3.1	4.6	3.6
	2	0.8	.	33.3	20.1	.	.	5.4	2.5	1.7	0.3	12.2	17.5
	3	1.1	0.0	.	.	.	.	.	.	.	.	1.1	0.0
	4	1.1	0.1	.	.	.	.	.	.	.	.	1.1	0.1
	ALL	0.9	0.3	23.0	20.2	2.3	0.1	6.5	2.4	2.9	2.3	7.2	12.0
ALL	1	0.9	0.8	5.3	3.2	1.8	0.8	7.2	1.4	3.3	2.1	3.7	2.9
	2	0.9	0.0	15.8	16.6	.	.	6.3	1.7	1.6	0.3	7.0	10.6
	3	1.1	0.1	.	.	.	.	.	.	.	.	1.1	0.1
	4	1.0	0.1	.	.	.	.	.	.	.	.	1.0	0.1
	ALL	1.0	0.4	11.6	13.8	1.8	0.8	6.7	1.6	2.3	1.7	4.7	7.4

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TI	TI	TI	TI	TI	TI						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	1.4	1.0	1.6	1.5	0.8	3.8	1.9	2.1	1.5	2.1	1.4	
	2	1.3	0.7	10.7	3.2		6.5	5.3	2.2	0.9	5.2	4.7	
	3	1.1	0.0								1.1	0.0	
	4	1.0	0.0								1.0	0.0	
	ALL	1.2	0.5	7.7	5.8	1.5	0.8	5.1	3.6	2.1	1.0	3.1	3.4
DRIVER	DAY												
	1	0.5	0.3	7.5	2.8	1.2	0.5	6.6	2.4	3.4	0.4	3.9	3.2
	2	0.9	0.0	10.0	3.2			5.2	0.5	1.6	0.5	4.4	4.0
	3	1.4	0.6								1.4	0.6	
	4	2.7	2.3								2.7	2.3	
GUNNER	DAY												
	1					2.1	0.6	8.7	1.8	4.2	0.9	5.0	3.2
	2							4.9	2.9	2.2	0.0	3.5	2.3
	3					2.1	0.6	6.8	3.0	3.2	1.2	4.4	2.8
	4												
LOADER	DAY												
	1	1.2	1.3	3.6	1.3	1.9	0.0	8.3	8.2	3.3	2.8	3.7	3.9
	2	0.9		9.9	3.0			5.7	0.3	1.8	1.1	5.7	4.2
	3	1.1	0.0									1.1	0.0
	4	1.6	0.1									1.6	0.1
ALL	DAY												
	1	1.0	0.8	4.7	3.1	1.7	0.6	6.8	4.0	3.2	1.5	3.5	3.1

(CONTINUED)

CONCENTRATION (FIRE CONC) OF SELECTED METALS (UG/M3)

97

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	STILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	1.1	0.4	10.2	2.5	5.6	2.4	1.9	0.6	4.9	4.0		
2	1.2	0.3							1.2	0.3		
3	1.8	1.3							1.8	1.3		
4												
ALL	1.3	0.8	7.9	3.8	1.7	0.6	6.2	3.2	2.6	1.3	3.7	3.4

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL

		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL								
		TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY														
COMMANDER	1	1.2	0.8	3.6	2.4	1.8	0.6	5.9	2.7	2.5	1.8	3.0	2.4		
	2	1.1	0.5	8.2	3.4			7.1	2.8	1.8	1.0	4.7	3.8		
	3	1.1	0.1									1.1	0.1		
	4	1.0	0.0									1.0	0.0		
	ALL	1.1	0.4	6.5	3.7	1.8	0.6	6.5	2.7	2.1	1.4	3.4	3.1		
DRIVER	DAY														
1		0.9	0.8	5.6	3.2	1.0	0.4	6.0	1.6	2.9	0.6	3.3	2.7		
2		0.9	0.0	8.6	2.7			5.7	0.8	1.4	0.4	4.5	3.6		
3		1.2	0.4									1.2	0.4		
4		1.8	1.7									1.8	1.7		
ALL		1.2	0.9	7.3	3.2	1.0	0.4	5.9	1.1	2.2	0.9	3.5	3.0		
GUNNER	DAY														
1						2.1	0.6	8.7	1.8	4.2	0.9	5.0	3.2		
2								4.9	2.9	2.2	0.0	3.5	2.3		
ALL						2.1	0.6	6.8	3.0	3.2	1.2	4.4	2.8		
LOADER	DAY														
1		0.9	0.8	5.5	3.5	2.1	0.3	8.2	4.8	4.0	2.5	4.2	3.7		
2		0.9	0.1	21.6	18.1			5.5	1.8	1.7	0.8	9.3	13.4		
3		1.1	0.0									1.1	0.0		
4		1.4	0.3									1.4	0.3		
ALL		1.1	0.5	15.2	16.0	2.1	0.3	6.7	3.5	2.7	2.1	5.7	9.2		
ALL	DAY														
1		1.0	0.8	5.0	3.0	1.7	0.6	7.0	3.1	3.3	1.7	3.6	3.0		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	11	11	11	11	11	11						
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY												
2	1.0	0.3	13.3	12.6			6.0	2.0	1.7	0.7	6.0	8.2
3	1.2	0.2									1.2	0.2
4	1.4	1.0									1.4	1.0
FALL	1.1	0.7	10.0	10.6	1.7	0.6	6.4	2.6	2.5	1.5	4.2	5.7

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		ZN		ZN		ZN		ZN		ZN		ZN	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	12.0	2.0	69.2	2.0	13.9	2.0	8.5	2.0	12.2	10.0	69.2
	2	2.0	4.6	3.0	69.8	.	.	3.0	28.2	3.0	43.2	11.0	69.8
	3	2.0	10.6	.	.	.	.	.	.	.	.	2.0	10.6
	4	2.0	1.6	.	.	.	.	.	.	.	.	2.0	1.6
	ALL	8.0	12.0	5.0	69.8	2.0	13.9	5.0	28.2	5.0	43.2	25.0	69.8
DRIVER	1	2.0	21.9	2.0	52.2	2.0	5.4	2.0	11.2	2.0	8.6	10.0	52.2
	2	2.0	4.2	3.0	104.0	.	.	3.0	29.6	2.0	20.3	10.0	104.0
	3	2.0	4.5	.	.	.	.	.	.	.	.	2.0	4.5
	4	2.0	4.8	.	.	.	.	.	.	.	.	2.0	4.8
	ALL	8.0	21.9	5.0	104.0	2.0	5.4	5.0	29.6	4.0	20.3	24.0	104.0
LOADER	1	2.0	7.1	2.0	46.0	2.0	19.6	2.0	33.9	2.0	22.3	10.0	46.0
	2	1.0	2.4	3.0	147.0	.	.	3.0	52.7	3.0	55.2	10.0	147.0
	3	2.0	6.8	.	.	.	.	.	.	.	.	2.0	6.8
	4	2.0	2.6	.	.	.	.	.	.	.	.	2.0	2.6
	ALL	7.0	7.1	5.0	147.0	2.0	19.6	5.0	52.7	5.0	55.2	24.0	147.0
ALL	1	6.0	21.9	6.0	69.2	6.0	19.6	6.0	33.9	6.0	22.3	30.0	69.2
	2	5.0	4.6	9.0	147.0	.	.	9.0	52.7	8.0	55.2	31.0	147.0
	3	6.0	10.6	.	.	.	.	.	.	.	.	6.0	10.6
	4	6.0	4.8	.	.	.	.	.	.	.	.	6.0	4.8
	ALL												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

101

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORI & VEHICLE TYPE																																			
		SILL-M109						BENNING-M3						KNOX-M60						CARSON-M60						KNOX-M1						ALL					
		ZN		# OF VEH.		# OF VEH.		MAX		VEHS.		ZN		# OF VEH.		# OF VEH.		MAX		VEHS.		ZN		# OF VEH.		# OF VEH.		MAX		VEHS.		MAX		VEHS.		ALL	
JALL	FALL	23.0	21.9	15.0	147.0	6.0	19.6	15.0	52.7	14.0	55.2	73.0	147.0																								

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

102

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																					
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		ZN				ZN				ZN				ZN				ZN					
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX		
POSITION	DAY																						
COMMANDER	1	2.0	13.4	1.0	18.7	2.0	9.4	2.0	7.6	2.0	10.0	9.0	18.7										
	2	2.0	6.0	2.0	125.0	.	.	2.0	58.4	2.0	39.5	8.0	125.0										
	3	2.0	3.4	.	.	.	.	.	.	.	.	2.0	3.4								
	4	2.0	2.0	.	.	.	.	.	.	.	.	2.0	2.0								
	ALL	8.0	13.4	3.0	125.0	2.0	9.4	4.0	58.4	4.0	39.5	21.0	125.0										
DRIVER	1	2.0	13.4	2.0	49.2	2.0	9.0	2.0	30.5	2.0	11.3	10.0	49.2										
	2	2.0	2.7	2.0	33.7	.	.	2.0	9.7	2.0	37.9	8.0	37.9										
	3	2.0	4.2	.	.	.	.	.	.	.	.	2.0	4.2								
	4	2.0	3.3	.	.	.	.	.	.	.	.	2.0	3.3								
	ALL	8.0	13.4	4.0	49.2	2.0	9.0	4.0	30.5	4.0	37.9	22.0	49.2										
GUNNER	1	.	.	.	.	2.0	13.9	2.0	37.4	2.0	38.2	6.0	38.2								
	2	.	.	.	.	.	.	2.0	20.7	2.0	65.7	4.0	65.7								
	3	.	.	.	.	2.0	13.9	4.0	37.4	4.0	65.7	10.0	65.7								
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	7.0	16.2	5.0	99.9	2.0	15.7	4.0	35.3	4.0	50.7	22.0	99.9										
LOADER	1	2.0	16.2	2.0	46.3	2.0	15.7	2.0	35.3	2.0	19.1	10.0	46.3										
	2	1.0	3.6	3.0	99.9	.	.	2.0	16.4	2.0	50.7	8.0	99.9										
	3	2.0	12.0	.	.	.	.	.	.	.	.	2.0	12.0								
	4	2.0	1.7	.	.	.	.	.	.	.	.	2.0	1.7								
	ALL	7.0	16.2	5.0	99.9	2.0	15.7	4.0	35.3	4.0	50.7	22.0	99.9										

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

103

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE												
SILL-M109 | BENNING-M3 | KNOX-M60 | CARSON-M60 | KNOX-M1 | ALL												
ZN | ZN | ZN | ZN | ZN | ZN												
# OF | # OF | # OF | # OF | # OF | # OF												
VEHS. | MAX | VEHs. | MAX | VEHs. | MAX | VEHs. | MAX | VEHs. | MAX | VEHs. | MAX												
DAY												
1	6.0	16.2	5.0	49.2	8.0	15.7	8.0	37.4	8.0	38.2	35.0	49.2
2	5.0	6.0	7.0	125.0	.	.	8.0	58.4	8.0	65.7	28.0	125.0
3	6.0	12.0	.	.	.	.	.	.	.	.	6.0	12.0
4	6.0	3.3	.	.	.	.	.	.	.	.	6.0	3.3
ALL	23.0	16.2	12.0	125.0	8.0	15.7	16.0	58.4	16.0	65.7	75.0	125.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KN X-M1	ALL	ZN	ZN	ZN	ZN	ZN	ZN
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION DAY												
COMMANDER												
1	4.0	13.4	3.0	69.2	4.0	13.9	4.0	8.5	4.0	12.2	19.0	69.2
2	4.0	6.0	5.0	125.0			5.0	58.4	5.0	43.2	19.0	125.0
3	4.0	10.6									4.0	10.6
4	4.0	2.0										2.0
ALL	16.0	13.4	8.0	125.0	4.0	13.9	9.0	58.4	9.0	43.2	46.0	125.0
DRIVER												
1	4.0	21.9	4.0	52.2	4.0	9.0	4.0	30.5	4.0	11.3	20.0	52.2
2	4.0	4.2	5.0	104.0			5.0	29.6	4.0	37.9	18.0	104.0
3	4.0	4.5									4.0	4.5
4	4.0	4.8										4.8
ALL	16.0	21.9	9.0	104.0	4.0	9.0	9.0	30.5	8.0	37.9	46.0	104.0
GUNNER												
1							2.0	13.9	2.0	37.4	2.0	38.2
2									2.0	20.7	2.0	65.7
ALL							2.0	13.9	4.0	37.4	4.0	65.7
LOADER												
1	4.0	16.2	4.0	46.3	4.0	19.6	4.0	35.3	4.0	22.3	20.0	46.3
2	2.0	3.6	6.0	147.0			5.0	52.7	5.0	55.2	18.0	147.0
3	4.0	12.0									4.0	12.0
4	4.0	2.6										2.6
ALL	14.0	16.2	10.0	147.0	4.0	19.6	9.0	52.7	9.0	55.2	46.0	147.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

105

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	INOX-M1	ALL	ZN	ZN	ZN	ZN	ZN	ZN
	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
DAY	12.0	21.9	11.0	69.2	14.0	19.6	14.0	37.4	14.0	38.2	65.0	69.2
1	10.0	6.0	16.0	147.0	.	.	17.0	58.4	16.0	65.7	59.0	147.0
2	12.0	12.0	.	.	.	.	.	.	.	.	12.0	12.0
3	12.0	4.8	.	.	.	.	.	.	.	.	12.0	4.8
4	46.0	21.9	27.0	147.0	14.0	19.6	31.0	58.4	30.0	65.7	148.0	147.0
ALL												

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

SAMPLE TYPE		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
		ZN	STD	MEAN	STD	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD
POSITION		DAY															
COMMANDER	1	8.2	5.4	44.1	35.5	13.2	1.0	8.0	0.8	7.6	6.5	16.2	19.2				
	2	4.0	0.9	47.3	19.8			20.4	10.9	29.1	23.8	27.2	21.5				
	3	7.9	3.8									7.9	3.8				
	4	1.3	0.4									1.3	0.4				
	ALL	5.4	4.0	46.0	22.7	13.2	1.0	15.4	10.3	20.5	20.8	19.2	20.0				
DRIVER	1	14.0	11.2	37.2	21.1	4.3	1.6	9.5	2.4	8.0	0.8	14.6	14.8				
	2	3.4	1.1	55.6	42.5			22.1	10.0	18.6	2.4	27.7	29.1				
	3	2.8	2.4									2.8	2.4				
	4	4.7	0.2									4.7	0.2				
	ALL	6.2	6.5	48.2	33.4	4.3	1.6	17.0	10.0	13.3	6.3	18.2	22.3				
LOADER	1	5.5	2.1	36.7	13.1	17.9	2.4	21.2	18.0	16.5	8.1	19.6	13.3				
	2	2.4		99.8	68.4			38.6	13.5	35.2	18.7	52.3	48.4				
	3	4.0	4.1									4.0	4.1				
	4	1.8	1.1									1.8	1.1				
	ALL	3.6	2.5	74.6	59.8	17.9	2.4	31.6	16.2	27.8	17.2	30.4	37.1				
ALL	1	9.2	6.8	39.4	19.7	11.8	6.3	12.9	10.4	10.7	6.5	16.8	15.5				
	2	3.5	0.9	67.6	48.1			27.0	13.3	28.8	17.6	35.4	35.4				
	3	4.9	3.6									4.9	3.6				
	4	2.6	1.7									2.6	1.7				
	ALL	5.1	4.6	56.3	40.8	11.8	6.3	21.4	13.8	21.0	16.4	22.6	27.6				

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

107

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD
POSITION DAY																
COMMANDER																
1	8.6	6.8	18.7				6.8	3.6	7.4	0.3	8.4	2.2			9.0	4.7
2	4.3	2.3	82.4	60.2					33.3	35.4	38.0	2.1			39.5	39.9
3	2.6	1.2													2.6	1.2
4	1.5	0.7													1.5	0.7
ALL	4.2	4.0	61.2	56.3	6.8	3.6	20.4	25.3	23.2	17.2	19.3	28.9				
DRIVER DAY																
1	7.2	8.8	34.9	20.2	8.2	1.2	18.9	16.3	11.2	0.1	16.1	14.2				
2	2.6	0.1	33.4	0.4			9.0	1.0	28.6	13.1	18.4	14.7				
3	3.0	1.7													3.0	1.7
4	2.4	1.4													2.4	1.4
ALL	3.8	4.0	34.2	11.7	8.2	1.2	14.0	11.1	19.9	12.6	14.5	13.9				
GUNNER DAY																
1					7.6	8.9	24.9	17.7	25.8	17.5	19.4	15.0				
2							17.4	4.7	45.0	29.3	31.2	23.4				
ALL					7.6	8.9	21.1	11.4	35.4	22.6	24.1	18.5				
LOADER DAY																
1	9.8	9.0	32.4	19.6	13.7	2.8	21.3	19.8	11.4	10.8	17.7	13.7				
2	3.6		65.1	36.4			12.6	5.4	39.8	15.3	38.0	32.9				
3	7.1	6.9									7.1	6.9				
4	1.5	0.4									1.5	0.4				
ALL	5.8	5.9	52.0	32.8	13.7	2.8	17.0	12.9	25.6	19.7	22.6	24.7				
ALL DAY																
1	8.5	6.5	30.7	15.6	9.1	4.8	18.2	13.7	14.2	10.7	15.3	12.5				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE																							
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		ZN		MEAN		STD		ZN		MEAN		STD		ZN		MEAN		STD		ZN		MEAN		STD	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
ALL	DAY																								
	2	3.5	1.4	61.0	38.2					18.1	16.9	37.9	14.9	31.9	29.9										
	3	4.3	3.9											4.3	3.9										
	4	1.8	0.9											1.8	0.9										
	ALL	4.6	4.5	48.4	33.6	9.1	4.8	18.1	14.9	26.0	17.5	19.5	22.6												

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

109

ALL

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		BENNING-M3		KNOX-M50		CARSON-M60		KNOX-M1		ALL	
		ZN		ZN		ZN		ZN		ZN		ZN	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	8.4	5.0	35.6	29.1	10.0	4.3	7.7	0.6	8.0	4.0	12.8	14.4
	2	4.2	1.4	61.4	38.4			25.6	20.6	32.7	17.6	32.4	30.2
	3	5.3	3.8									5.3	3.8
	4	1.4	0.5										
ALL		4.8	3.9	51.7	35.5	10.0	4.3	17.6	17.3	21.7	18.2	19.2	24.2
DRIVER	DAY												
1		10.6	9.1	36.1	16.9	6.2	2.5	14.2	11.0	9.6	1.9	15.3	14.1
2		3.0	0.8	46.7	32.4			16.8	10.1	23.6	9.6	23.6	23.6
3		2.9	1.7									2.9	1.7
4		3.5	1.5									3.5	1.5
ALL		5.0	5.4	42.0	25.8	6.2	2.5	15.7	9.9	16.6	9.9	16.5	18.6
GUNNER	DAY												
1						7.6	8.9	24.9	17.7	25.8	17.5	19.4	15.0
2								17.4	4.7	45.0	29.3	31.2	23.4
ALL						7.6	8.9	21.1	11.4	35.4	22.6	24.1	18.5
LOADER	DAY												
1		7.7	5.9	34.6	13.8	15.8	3.2	21.3	15.4	14.0	8.4	18.7	13.1
2		3.0	0.8	82.4	52.6			28.2	17.4	37.1	15.5	45.9	41.7
3		5.6	5.0									5.6	5.0
4		1.7	0.7									1.7	0.7
ALL		4.7	4.5	63.3	47.0	15.8	3.2	25.1	15.9	26.8	17.1	26.7	31.7
ALL	DAY												
1		8.9	6.4	35.4	17.7	10.2	5.5	15.9	12.2	12.7	9.0	16.0	13.9

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

110

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BLNNG-M3			KNOX-M60			CARSON-M60		
	ZN	MEAN	STD	ZN	MEAN	STD	ZN	MEAN	STD	ZN	MEAN	STD
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	3.5	1.2	64.7	42.8	.	.	22.8	15.3	33.3	16.4	33.7	32.6
2	4.6	3.6	.	.	.	.	.	.	.	.	4.6	3.6
3	2.2	1.4	.	.	.	.	.	.	.	.	2.2	1.4
4	4.8	4.5	52.8	37.3	10.2	5.5	19.7	14.2	23.7	16.9	21.0	25.2
ALL	4.8	4.5	52.8	37.3	10.2	5.5	19.7	14.2	23.7	16.9	21.0	25.2

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FOLI & VEHICLE TYPE													
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		ACET		ACET		ACET		ACET		ACET		ACET		ACET	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY															
COMMANDER	1	2.0	7.9	1.0	34.0	3.0	71.0	2.0	21.0	1.0	180.0	1.0	19.0	10.0	180.0
	2	2.0	60.0	.1	.1	2.0	54.0	.1	.1	3.0	160.0	3.0	41.0	10.0	160.0
	3	2.0	20.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	20.0
	4	3.0	39.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0	39.0
	ALL	9.0	60.0	1.0	34.0	5.0	71.0	2.0	21.0	4.0	180.0	4.0	41.0	25.0	180.0
DRIVER															
	1	2.0	29.0	1.0	0.0	2.0	48.0	2.0	23.0	1.0	0.0	2.0	37.0	10.0	48.0
	2	3.0	37.0	.1	.1	3.0	31.0	.1	.1	2.0	0.0	1.0	16.0	9.0	37.0
	4	2.0	43.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	43.0
	ALL	7.0	43.0	1.0	0.0	5.0	18.0	2.0	23.0	3.0	0.0	3.0	37.0	21.0	48.0
LOADER															
	1	2.0	42.0	2.0	26.0	2.0	100.0	2.0	6.8	2.0	540.0	2.0	47.0	12.0	540.0
	2	3.0	45.0	.1	.1	2.0	39.0	.1	.1	1.0	0.0	2.0	16.0	8.0	45.0
	3	1.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0	0.0
	4	2.0	56.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	46.0
	ALL	8.0	46.0	2.0	26.0	4.0	100.0	2.0	6.8	3.0	540.0	4.0	47.0	23.0	540.0
ALL															
	1	6.0	42.0	4.0	34.0	7.0	100.0	6.0	23.0	4.0	540.0	5.0	47.0	32.0	540.0
	2	8.0	60.0	.1	.1	7.0	54.0	.1	.1	6.0	160.0	6.0	41.0	27.0	160.0
	3	3.0	20.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0	20.0
	4	7.0	46.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0	46.0
	ALL	24.0	60.0	4.0	34.0	14.0	100.0	6.0	23.0	10.0	540.0	11.0	47.0	69.0	540.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE															
COMBINATION OF FORT & VEHICLE TYPE															
STILL-M109 | CARSON-M109 | BENNING-M3 | KNOX-M60 | CARSON-M60 | KNOX-M1 | ALL															
ACET | ACET | ACET | ACET | ACET | ACET | ACET															
# OF | # OF | # OF | # OF | # OF | # OF | # OF															
VEHS. | MAX | VEHs. | MAX | VEHs. | MAX | VEHs. | MAX | VEHs. | MAX															
POSITION DAY															
COMMANDER	1	2.0	29.0	1.0	0.0	2.0	130.0	.	1.0	0.0	1.0	32.0	7.0	130.0	
	2	3.0	57.0	.	2.0	0.0	.	2.0	260.0	2.0	31.0	9.0	260.0		
	3	1.0	460.0	.	.	.	.	.	.	.	.	1.0	460.0	
	4	2.0	36.0	.	.	.	.	.	.	.	2.0	36.0		
	ALL	8.0	460.0	1.0	0.0	4.0	130.0	.	3.0	260.0	3.0	32.0	19.0	460.0	
DRIVER	1	3.0	30.0	1.0	24.0	2.0	62.0	1.0	0.2	4.0	250.0	2.0	38.0	13.0	250.0
	2	2.0	37.0	.	2.0	64.0	.	2.0	430.0	1.0	30.0	7.0	430.0		
	3	3.0	29.0	.	.	.	.	.	.	.	3.0	29.0		
	4	3.0	43.0	.	.	.	.	.	.	.	3.0	43.0		
	ALL	11.0	43.0	1.0	24.0	4.0	64.0	1.0	0.2	6.0	430.0	3.0	38.0	26.0	430.0
GUNNER	1	1.0	58.0	2.0	140.0	2.0	56.0	5.0	140.0
	2	3.0	380.0	1.0	22.0	4.0	380.0
	3	1.0	58.0	5.0	380.0	3.0	56.0	9.0	380.0
	4
	ALL
LOADER	1	2.0	17.0	1.0	61.0	4.0	120.0	2.0	21.0	1.0	0.0	.	10.0	120.0	
	2	2.0	32.0	.	2.0	84.0	.	2.0	330.0	1.0	39.0	7.0	330.0		
	3	3.0	23.0	.	.	.	.	.	.	.	.	3.0	23.0	
	4	2.0	39.0	.	.	.	.	.	.	.	.	2.0	39.0	
	ALL	9.0	39.0	1.0	61.0	6.0	120.0	2.0	21.0	3.0	330.0	1.0	39.0	22.0	330.0

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
			CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1						
			ACET	ACET	ACET	ACET	ACET						
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
DAY													
1	7.01	30.01	3.01	61.01	8.01	130.01	4.01	58.01	8.01	250.01	5.01	56.01	35.01 250.01
2	7.01	51.01	.	.	6.01	84.01	.	.	9.01	430.01	5.01	39.01	27.01 430.01
3	7.01	460.01	.	.	.	.	.	.	.	.	.	.	7.01 460.01
4	7.01	43.01	.	.	.	.	.	.	.	.	.	.	7.01 43.01
ALL	28.01	460.01	3.01	61.01	14.01	130.01	4.01	58.01	17.01	430.01	10.01	56.01	76.01 460.01

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
POSITION	DAY	STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	4.0	29.0	2.0	34.0	5.0	130.0	2.0	21.0	2.0	180.0	2.0	32.0
	2	5.0	60.0	.	.	4.0	54.0	.	.	5.0	260.0	5.0	41.0
	3	3.0	460.0	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	39.0	.	.	.	.	.	.	.	.	.	5.0
	ALL	17.0	460.0	2.0	34.0	9.0	130.0	2.0	21.0	7.0	260.0	7.0	41.0
DRIVER	1	5.0	30.0	2.0	24.0	4.0	62.0	3.0	23.0	5.0	250.0	4.0	38.0
	2	5.0	37.0	.	.	5.0	64.0	.	.	4.0	430.0	2.0	30.0
	3	3.0	29.0	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	43.0	.	.	.	.	.	.	.	.	.	5.0
	ALL	18.0	43.0	2.0	24.0	9.0	64.0	3.0	23.0	9.0	430.0	6.0	38.0
GUNNER	1	.	.	.	.	.	.	1.0	58.0	2.0	140.0	2.0	56.0
	2	.	.	.	.	.	.	.	.	3.0	380.0	1.0	22.0
	3	.	.	.	.	.	.	1.0	58.0	5.0	380.0	3.0	56.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	42.0	3.0	61.0	6.0	120.0	4.0	21.0	3.0	540.0	2.0	47.0
LOADER	1	5.0	45.0	.	.	4.0	84.0	.	.	3.0	330.0	3.0	39.0
	2	4.0	23.0	.	.	.	.	.	.	.	.	.	4.0
	3	4.0	46.0	.	.	.	.	.	.	.	.	.	4.0
	4	17.0	46.0	3.0	61.0	10.0	120.0	4.0	21.0	6.0	540.0	5.0	47.0
	ALL	17.0	46.0	3.0	61.0	10.0	120.0	4.0	21.0	6.0	540.0	5.0	47.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

5

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY														
1	13.0	42.0	7.0	61.0	15.0	130.0	10.0	58.0	12.0	540.0	10.0	56.0	67.0	540.0
2	15.0	60.0	.	.	13.0	84.0	.	.	15.0	430.0	11.0	41.0	54.0	430.0
3	10.0	460.0	.	.	.	.	.	.	.	.	.	.	10.0	460.0
4	14.0	46.0	.	.	.	.	.	.	.	.	.	.	14.0	46.0
ALL	52.0	460.0	7.0	61.0	28.0	130.0	10.0	58.0	27.0	540.0	21.0	56.0	145.0	540.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
		ACET		ACET		ACET		ACET		ACET		ACET		ACET					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION DAY																			
COMMANDER	1	7.4	0.6	34.0	.	70.3	1.2	17.0	5.7	180.0	.	19.0	.	49.3	52.9				
	2	32.1	39.5	.	.	46.0	11.3	.	.	106.3	68.6	21.2	17.4	53.9	51.9				
	3	13.3	9.5	.	.	.	.	.	.	.	.	.	.	13.3	9.5		
	4	29.0	8.7	.	.	.	.	.	.	.	.	.	.	29.0	8.7		
	ALL	21.4	18.5	34.0	.	60.6	14.5	17.0	5.7	124.8	67.1	20.6	14.2	45.8	47.2				
DRIVER DAY																			
	1	20.0	12.7	0.0	.	24.0	33.9	11.5	16.2	0.0	.	18.5	26.2	14.8	18.2				
	2	23.5	16.2	.	.	22.2	11.1	.	.	0.0	0.0	16.0	.	17.0	14.0				
	4	33.5	13.4	.	.	.	.	.	.	.	.	.	.	33.5	13.4		
	ALL	25.4	13.3	0.0	.	22.9	18.7	11.5	16.2	0.0	0.0	17.7	18.6	17.5	16.3				
	LOADER DAY																		
	1	37.0	7.1	13.0	18.4	50.0	70.7	6.4	0.5	270.0	381.8	32.0	21.2	68.1	151.4				
	2	31.0	12.8	.	.	38.5	0.7	.	.	0.0	.	13.5	3.5	24.6	15.6				
	3	0.0	.	.	.	.	.	.	.	.	.	.	.	0.0	.		
	4	33.5	17.7	.	.	.	.	.	.	.	.	.	.	33.5	17.7		
	ALL	29.3	15.6	13.0	18.4	44.3	41.4	6.4	0.5	180.0	311.8	22.8	16.4	47.0	109.9				
ALL DAY																			
	1	21.5	14.8	15.0	17.6	51.3	38.2	11.7	9.0	180.0	254.6	24.0	18.4	45.6	97.7				
	2	28.5	19.0	.	.	33.7	13.7	.	.	53.2	72.6	17.8	11.8	32.9	36.5				
	3	8.8	10.2	.	.	.	.	.	.	.	.	.	.	8.8	10.2		
	4	31.6	10.6	.	.	.	.	.	.	.	.	.	.	31.6	10.6		
	ALL	25.2	15.8	15.0	17.6	42.5	29.0	11.7	9.0	103.9	169.8	20.6	14.7	37.6	70.4				

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

7

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL											
		ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION	DAY																		
COMMANDER	1	19.5	13.4	0.0		94.0	50.9			0.0		32.0				37.0	45.9		
	2	29.0	24.6			0.0	0.0			159.5	142.1	30.5		0.7		51.9	81.0		
	3	460.0														460.0			
	4	30.0	8.5													30.0	8.5		
	ALL	80.8	154.0	0.0		47.0	61.7			106.3	136.3	31.0		1.0		65.6	113.2		
DRIVER	1	15.5	13.1	24.0		58.5	4.9	0.2		110.0	129.4	32.0		8.5		53.2	77.7		
	2	29.0	11.3			32.0	45.3			425.0	7.1	30.0				143.1	193.5		
	3	19.7	9.5													19.7	9.5		
	4	41.3	1.5													41.3	1.5		
	ALL	26.1	13.5	24.0		45.3	30.4	0.2		215.0	191.1	31.3		6.1		72.2	118.0		
GUNNER	1							58.0		80.5	84.1	43.5		17.7		61.2	46.8		
	2									276.7	96.1	22.0				213.0	149.6		
	3							58.0		198.2	133.9	36.3		17.6		128.7	126.0		
	4																		
	ALL																		
LOADER	1	16.0	1.4	61.0		72.9	50.5	13.8	10.3	0.0						41.2	43.0		
	2	29.5	3.5			81.0	4.2			165.0	233.3	39.0				84.3	112.2		
	3	14.7	8.0													14.7	8.0		
	4	32.0	4.2													32.0	4.2		
	ALL	22.1	9.4	61.0		75.6	39.4	13.8	10.3	110.0	190.5	39.0				50.5	71.0		
ALL	1	16.8	9.6	28.3	30.7	74.6	40.6	21.4	25.9	75.1	102.5	36.6	11.7	47.7	57.7				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		ACET		ACET		ACET		ACET		ACET		ACET	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL		DAY											
2		29.1	15.0	.	37.7	41.8	.	258.8	152.8	30.4	6.0	107.8	139.3
3		80.4	167.5	.	.	.	.	.	.	.	.	80.4	167.5
4		35.4	6.9	.	.	.	.	.	.	.	.	35.4	6.9
ALL		40.4	83.2	28.3	30.7	58.8	43.8	21.4	25.9	172.4	158.7	33.5	70.9
												9.3	106.6

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

9

ALL

		COMBINATION OF FORI & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL									
		ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET		
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
COMMANDER	1	13.5	10.4	17.0	24.0	79.8	28.6	17.0	5.7	90.0	127.3	25.5	9.2	44.2	49.0		
	2	30.2	26.3	.	.	23.0	27.3	.	.	127.6	90.8	24.9	13.3	52.9	65.3		
	3	162.2	258.0	.	.	.	.	.	.	.	.	.	.	162.2	258.0		
	4	29.4	7.5	.	.	.	.	.	.	.	.	.	.	29.4	7.5		
	ALL	49.3	107.1	17.0	24.0	54.6	39.8	17.0	5.7	116.9	92.4	25.1	11.5	54.3	81.9		
DRIVER	1	17.3	11.5	12.0	17.0	41.3	28.1	7.8	13.2	88.0	122.4	25.3	17.7	36.5	61.7		
	2	25.7	13.1	.	.	26.1	24.5	.	.	212.5	245.4	23.0	9.9	72.2	138.8		
	3	19.7	9.5	.	.	.	.	.	.	.	.	.	.	19.7	9.5		
	4	38.2	8.0	.	.	.	.	.	.	.	.	.	.	38.2	8.0		
	ALL	25.8	13.1	12.0	17.0	32.9	25.7	7.8	13.2	143.3	185.4	24.5	14.4	47.8	91.9		
GUNNER	1	.	.	.	.	.	.	58.0	.	80.5	84.1	43.5	17.7	61.2	46.8		
	2	.	.	.	.	.	.	.	.	276.7	96.1	22.0	.	213.0	149.6		
	3	.	.	.	.	.	.	58.0	.	198.2	133.9	36.3	17.6	128.7	126.0		
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	26.5	12.8	29.0	30.6	65.3	51.7	10.1	7.3	180.0	311.8	32.0	21.2	55.9	113.9		
	2	30.4	9.2	.	.	59.8	24.7	.	.	110.0	190.5	22.0	14.9	52.5	80.4		
	3	11.0	9.8	.	.	.	.	.	.	.	.	.	.	11.0	9.8		
	4	32.8	10.5	.	.	.	.	.	.	.	.	.	.	32.8	10.5		
	ALL	25.5	12.8	29.0	30.6	63.0	41.1	10.1	7.3	145.0	234.2	26.0	15.9	48.7	91.9		
ALL	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	1	18.9	11.9	20.7	22.8	63.7	39.9	15.6	17.1	110.1	164.4	30.3	15.9	46.7	78.7		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

10

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET		
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
DAY																
2	28.8	16.6			35.5	28.7			176.5	161.5	23.5	11.3	70.4	107.7		
3	59.0	141.2											59.0	141.2		
4	33.5	8.8											33.5	8.8		
ALL	33.4	61.9	20.7	22.8	50.6	37.4	15.6	17.1	147.0	163.1	26.7	13.8	55.1	92.4		

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SAMPLE TYPE	GENERAL AREA
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COMBINATION OF FORT & VEHICLE TYPE														
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL		
DCM		DCM		DCM		DCM		DCM		DCM		DCM		
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	
POSITION DAY														
COMMAND-1														
2.0	22.0	1.0	55.0	3.0	62.0	2.0	5.4	1.0	0.0	1.0	0.0	10.0	10.0	62.0
2														
2.0	29.0	.	.	2.0	41.0	.	.	3.0	48.0	3.0	49.0	10.0	10.0	49.0
3														
2.0	57.0	.	.	.	.	.	.	.	.	.	.	2.0	2.0	57.0
4														
3.0	24.0	.	.	.	.	.	.	.	.	.	.	3.0	3.0	24.0
ALL														
9.0	57.0	1.0	55.0	5.0	62.0	2.0	5.4	4.0	48.0	4.0	49.0	25.0	25.0	62.0
DRIVER DAY														
1														
2.0	23.0	1.0	0.0	2.0	50.0	2.0	1.0	1.0	420.0	2.0	0.0	10.0	10.0	420.0
2														
3.0	40.0	.	.	3.0	65.0	.	.	2.0	54.0	1.0	3.8	9.0	9.0	65.0
4														
2.0	190.0	.	.	.	.	.	.	.	.	.	.	2.0	2.0	190.0
ALL														
7.0	190.0	1.0	0.0	5.0	65.0	2.0	1.0	3.0	420.0	3.0	3.8	21.0	21.0	420.0
LOADER DAY														
1														
2.0	21.0	2.0	52.0	2.0	59.0	2.0	4.9	2.0	65.0	2.0	14.0	12.0	12.0	65.0
2														
3.0	38.0	.	.	2.0	44.0	.	.	1.0	250.0	2.0	16.0	8.0	8.0	250.0
3														
1.0	11.0	.	.	.	.	.	.	.	.	.	.	1.0	1.0	11.0
4														
2.0	42.0	.	.	.	.	.	.	.	.	.	.	2.0	2.0	42.0
ALL														
8.0	42.0	2.0	52.0	4.0	59.0	2.0	4.9	3.0	250.0	4.0	16.0	23.0	23.0	250.0
ALL DAY														
1														
6.0	23.0	4.0	55.0	7.0	62.0	6.0	5.4	4.0	420.0	5.0	14.0	32.0	32.0	420.0
2														
8.0	40.0	.	.	7.0	65.0	.	.	6.0	250.0	6.0	49.0	27.0	27.0	250.0
3														
3.0	57.0	.	.	.	.	.	.	.	.	.	.	3.0	3.0	57.0
4														
7.0	190.0	.	.	.	.	.	.	.	.	.	.	7.0	7.0	190.0
ALL														
24.0	190.0	4.0	55.0	14.0	65.0	6.0	5.4	10.0	420.0	11.0	49.0	69.0	69.0	420.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM
POSITION	DAY	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	2.0	42.0	1.0	29.0	2.0	35.0	.1	1.0	0.0	1.0	0.0	7.0
	2	3.0	50.0	.1	.1	2.0	32.0	.1	2.0	330.0	2.0	5.9	9.0
	3	1.0	790.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0
	4	2.0	53.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
ALL		8.0	790.0	1.0	29.0	4.0	35.0	.1	3.0	330.0	3.0	5.9	19.0
DRIVER	DAY												
	1	3.0	44.0	1.0	43.0	2.0	40.0	1.0	3.5	4.0	1200.0	2.0	18.0
	2	2.0	42.0	.1	.1	2.0	37.0	.1	.1	2.0	110.0	1.0	6.8
	3	3.0	120.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	3.0	86.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
ALL		11.0	120.0	1.0	43.0	4.0	40.0	1.0	3.5	6.0	1200.0	3.0	26.0
GUNNER	DAY												
	1	.1	.1	.1	.1	.1	.1	1.0	4.3	2.0	510.0	2.0	11.0
	2	.1	.1	.1	.1	.1	.1	.1	.1	3.0	230.0	1.0	5.2
ALL		.1	.1	.1	.1	.1	.1	1.0	4.3	5.0	510.0	3.0	11.0
LOADER	DAY												
	1	2.0	51.0	1.0	34.0	4.0	65.0	2.0	2.3	1.0	340.0	.1	10.0
	2	2.0	59.0	.1	.1	2.0	36.0	.1	.1	2.0	29.0	1.0	2.5
	3	3.0	97.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	2.0	73.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
ALL		9.0	97.0	1.0	34.0	6.0	65.0	2.0	2.3	3.0	340.0	1.0	22.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

13

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
		1 DAY											
ALL		7.0	51.0	3.0	43.0	8.0	65.0	4.0	4.3	8.0	1200.0	5.0	18.0
1		7.0	59.0	.1	.1	6.0	37.0	.1	.1	9.0	330.0	5.0	6.8
2		7.0	790.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
3		7.0	86.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
4		28.0	790.0	3.0	43.0	14.0	65.0	4.0	4.3	17.0	1200.0	10.0	18.0
ALL		28.0	790.0	3.0	43.0	14.0	65.0	4.0	4.3	17.0	1200.0	10.0	18.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

14

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	STILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALI	DCM	DCM	DCM	DCM	DCM	DCM	DCM
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY													
COMMANDER	1	4.0	42.0	2.0	55.0	5.0	62.0	2.0	5.4	2.0	0.0	2.0	0.0	17.0
	2	5.0	50.0	.	.	4.0	41.0	.	.	5.0	330.0	5.0	49.0	19.0
	3	3.0	790.0	.	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	53.0	.	.	.	.	.	.	.	.	.	.	5.0
ALL		17.0	790.0	2.0	55.0	9.0	62.0	2.0	5.4	7.0	330.0	7.0	49.0	44.0
DRIVER	DAY													
	1	5.0	44.0	2.0	43.0	4.0	50.0	3.0	3.5	5.0	1200.0	4.0	18.0	23.0
	2	5.0	42.0	.	.	5.0	65.0	.	.	4.0	110.0	2.0	6.8	16.0
	3	3.0	120.0	.	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	190.0	.	.	.	.	.	.	.	.	.	.	5.0
ALL		18.0	190.0	2.0	43.0	9.0	65.0	3.0	3.5	9.0	1200.0	6.0	18.0	47.0
GUNNER	DAY													
	1	.	.	.	.	.	.	1.0	4.3	2.0	510.0	2.0	11.0	5.0
	2	.	.	.	.	.	.	.	.	3.0	230.0	1.0	5.2	4.0
	3	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	.	.	.	.	.	.	1.0	4.3	5.0	510.0	3.0	11.0	9.0
ALL														
LOADER	DAY													
	1	4.0	51.0	3.0	52.0	6.0	65.0	4.0	4.9	3.0	340.0	2.0	14.0	22.0
	2	5.0	59.0	.	.	4.0	44.0	.	.	3.0	250.0	3.0	16.0	15.0
	3	4.0	97.0	.	.	.	.	.	.	.	.	.	.	4.0
	4	4.0	73.0	.	.	.	.	.	.	.	.	.	.	4.0
ALL		17.0	97.0	3.0	52.0	10.0	65.0	4.0	4.9	6.0	340.0	5.0	16.0	45.0
														340.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

15

ALL	COMBINATION OF FORI & VEHICLE TYPE											
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DCM	DCM	DCM	DCM	DCM
	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
DAY	13.0	51.0	7.0	55.0	15.0	65.0	10.0	5.4	12.0	1200.0	10.0	18.0
1	13.0	51.0	7.0	55.0	15.0	65.0	10.0	5.4	12.0	1200.0	10.0	18.0
2	15.0	59.0	.1	13.0	65.0	.1	15.0	330.0	11.0	49.0	54.0	330.0
3	10.0	790.0	.1	.1	.1	.1	.1	.1	.1	.1	10.0	790.0
4	14.0	190.0	.1	.1	.1	.1	.1	.1	.1	.1	14.0	190.0
ALL	52.0	790.0	7.0	55.0	28.0	65.0	10.0	5.4	27.0	1200.0	21.0	49.0
											145.0	1200.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF PORT & VEHICLE TYPE															
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
		DCM				DCM				DCM				DCM			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																
COMMANDER	1	18.5	4.9	55.0		58.7	3.5	4.4	1.4	0.0		0.0				27.7	26.8
	2	17.6	16.1			31.0	14.1			29.0	25.5	19.7	25.3	24.3	19.3		
	3	40.0	24.0													40.0	24.0
	4	9.0	13.0													9.0	13.0
	ALL	19.9	17.2	55.0		47.6	16.9	4.4	1.4	21.8	25.4	14.8	22.9	25.1	22.4		
DRIVER	1	22.5	0.7	0.0		42.5	10.6	0.9	0.2	420.0		0.0	0.0	55.2	129.4		
	2	32.7	6.4			49.0	24.3			48.5	7.8	3.8		38.4	19.9		
	4	124.5	92.6											124.5	92.6		
	ALL	56.0	60.5	0.0		46.4	18.4	0.9	0.2	172.3	214.6	1.3	2.2	54.6	93.4		
LOADER	1	21.0	0.0	51.0	1.4	29.5	41.7	3.5	1.9	32.5	46.0	9.3	6.6	24.5	24.9		
	2	32.7	6.1			30.5	19.1			250.0		11.1	6.9	53.9	80.2		
	3	11.0												11.0			
	4	35.0	9.9											35.0	9.9		
	ALL	27.6	10.2	51.0	1.4	30.0	26.5	3.5	1.9	105.0	129.7	10.2	5.6	35.0	50.8		
ALL	1	20.7	2.9	39.3	26.2	45.7	22.1	2.9	2.0	121.3	201.5	3.7	6.1	35.1	74.0		
	2	28.9	10.4			38.6	19.7			72.3	89.1	14.2	17.6	37.8	46.2		
	3	30.3	23.9											30.3	23.9		
	4	49.4	65.3											49.4	65.3		
	ALL	33.0	36.4	39.3	26.2	42.1	20.4	2.9	2.0	91.9	136.3	9.5	14.1	37.4	61.1		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

17

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TOXIC & VEHICLE TYPE																	
		SHELL-M109				CARSON-M109				BENNING-M3				KNOX-M60				ALL	
		DCM				DCM				DCM				DCM				DCM	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																			
COMMANDER	1	32.0	14.1	29.0		34.0	1.4			0.0				0.0				23.0	16.8
	2	31.2	22.9			16.0	22.6			165.0	233.3	2.9		4.2		51.3	106.2		
	3	790.0														790.0			
	4	27.0	36.7															27.0	36.7
	ALL	125.2	269.3	29.0		25.0	16.7			110.0	190.5	2.0		3.4		77.2	187.5		
DRIVER DAY																			
1		26.8	21.1	43.0		35.5	6.4	3.5		360.0	571.3	12.6		7.6		127.9	328.2		
2		31.0	15.6			28.0	12.7			105.0	7.1	6.8				47.8	40.9		
3		50.8	60.5													50.8	60.5		
4		54.0	45.5															54.0	45.5
ALL		41.5	37.7	43.0		31.8	9.3	3.5		275.0	461.7	10.7		6.4		88.9	232.7		
GUNNER DAY																			
1								4.3		294.0	305.5	6.8		5.9		121.2	219.6		
2										97.0	119.2	5.2				74.0	107.6		
ALL								4.3		175.8	205.1	6.3		4.3		100.2	170.5		
LOADER DAY																			
1		38.0	18.4	34.0		35.8	20.3	1.5		1.2	340.0					59.6	100.5		
2		40.5	26.2			25.5	14.8			14.5	20.5	2.5				23.4	20.5		
3		43.7	46.3													43.7	46.3		
4		72.5	0.7													72.5	0.7		
ALL		48.1	29.3	34.0		32.3	17.9	1.5		1.2	123.0	188.5	2.5			47.1	70.5		
ALL DAY																			
1		31.5	16.2	35.3	7.1	35.3	13.5	2.7		1.6	296.0	410.3	7.8			86.5	219.8		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

19

ALL

		COMBINATION OF FORT & VEHICLE TYPE																											
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		DCM		SID		DCM		SID		DCM		SID		DCM		SID		DCM		SID		DCM		SID		DCM		SID	
		MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID
POSITION DAY																													
COMMANDER	1	25.3	11.6	42.0	18.4	48.8	13.8	4.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	22.7				
	2	25.8	19.6	.	.	23.5	17.7	.	.	83.4	139.6	13.0	20.3	37.1	73.4														
	3	290.0	433.3	.	.	.	.	.	.	.	.	.	.	.	290.0	433.3													
	4	16.2	22.8	.	.	.	.	.	.	.	.	.	.	.	16.2	22.8													
	ALL	69.5	186.6	42.0	18.4	37.6	19.7	4.4	1.4	59.6	121.0	9.3	17.7	47.6	125.2														
DRIVER	1	25.1	15.1	21.5	30.4	39.0	8.2	1.8	1.5	372.0	495.5	6.3	8.5	96.3	258.8														
	2	32.0	9.1	.	.	40.6	21.7	.	.	76.8	33.2	5.3	2.1	42.5	30.0														
	3	50.8	60.5	.	.	.	.	.	.	.	.	.	.	.	50.8	60.5													
	4	82.2	68.4	.	.	.	.	.	.	.	.	.	.	.	82.2	68.4													
	ALL	47.1	46.7	21.5	30.4	39.9	16.1	1.8	1.5	240.8	383.9	6.0	6.7	73.6	183.1														
GUNNER	1	.	.	.	.	.	.	4.3	.	294.0	305.5	6.8	5.9	121.2	219.6														
	2	.	.	.	.	.	.	.	.	97.0	119.2	5.2	.	74.0	107.6														
	ALL	.	.	.	.	.	.	4.3	.	175.8	205.1	6.3	4.3	100.2	170.5														
	1	29.5	14.5	45.3	9.9	33.7	24.6	2.5	1.8	135.0	180.5	9.3	6.6	40.4	70.5														
	2	35.8	14.4	.	.	28.0	14.3	.	.	93.0	136.7	8.3	7.0	39.7	60.4														
LOADER	3	35.5	41.2	.	.	.	.	.	.	.	.	.	.	35.5	41.2														
	4	53.8	22.4	.	.	.	.	.	.	.	.	.	.	53.8	22.4														
	ALL	38.5	24.2	45.3	9.9	31.4	20.3	2.5	1.8	114.0	145.0	8.7	5.9	40.9	60.8														
	1	26.5	12.9	37.6	19.1	40.1	18.2	2.8	1.7	237.8	354.4	5.7	6.6	61.9	167.7														

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

20

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	DCM	MEAN	STD	DCM	MEAN	STD	DCM	MEAN	STD	DCM	MEAN	STD	DCM	MEAN	STD	DCM
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	31.2	14.5	.	31.5	18.6	.	.	86.3	102.8	9.6	13.6	42.2	61.6			
2	116.4	239.8	.	.	.	.	.	.	.	.	.	116.4	239.8			
3	50.5	50.5	.	.	.	.	.	.	.	.	.	50.5	50.5			
4	51.6	109.6	37.6	19.1	36.1	18.5	2.8	1.7	153.6	254.4	7.8	10.8	57.2	135.8		
ALL																

CONCENTRATION (FIRLCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

21

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		ICE		ICE		ICE		ICE		ICE		ICE	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	35.0	1.0	8.7	3.0	110.0	2.0	1.1	1.0	210.0	1.0	0.5
	2	2.0	39.0	.	.	2.0	24.0	.	.	3.0	110.0	3.0	6.1
	3	2.0	24.0	.	.	.	.	.	.	.	.	.	2.0
	4	3.0	25.0	.	.	.	.	.	.	.	.	.	3.0
	ALL	9.0	39.0	1.0	8.7	5.0	110.0	2.0	1.1	4.0	1100.0	4.0	6.1
DRIVER	1	2.0	3.7	1.0	80.0	2.0	48.0	2.0	1.0	1.0	0.7	2.0	13.0
	2	3.0	52.0	.	.	3.0	110.0	.	.	2.0	110.0	1.0	5.8
	4	2.0	46.0	.	.	.	.	.	.	.	.	.	2.0
	ALL	7.0	52.0	1.0	80.0	5.0	110.0	2.0	1.0	3.0	150.0	3.0	13.0
	ALL	7.0	52.0	1.0	80.0	5.0	110.0	2.0	1.0	3.0	150.0	3.0	13.0
LOADER	1	2.0	47.0	2.0	17.0	2.0	56.0	2.0	0.1	2.0	0.6	2.0	0.4
	2	3.0	34.0	.	.	2.0	0.9	.	.	1.0	0.0	2.0	21.0
	3	1.0	0.3	.	.	.	.	.	.	.	.	.	1.0
	4	2.0	7.8	.	.	.	.	.	.	.	.	.	2.0
	ALL	8.0	47.0	2.0	17.0	4.0	56.0	2.0	0.1	3.0	0.6	4.0	21.0
ALL	1	6.0	47.0	4.0	80.0	7.0	110.0	6.0	1.1	4.0	210.0	5.0	13.0
	2	8.0	52.0	.	.	7.0	110.0	.	.	6.0	1100.0	6.0	21.0
	3	3.0	24.0	.	.	.	.	.	.	.	.	.	3.0
	4	7.0	46.0	.	.	.	.	.	.	.	.	.	7.0
	ALL	24.0	52.0	4.0	80.0	14.0	110.0	6.0	1.1	10.0	1100.0	11.0	21.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE														

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
TCE		TCE		TCE		TCE		TCE		TCE		TCE	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	7.0	29.0	3.0	3.1	8.0	320.0	4.0	2.5	8.0	270.0	5.0	4.3	35.0
2	7.0	46.0	.	.	6.0	100.0	.	.	9.0	1500.0	5.0	22.0	27.0
3	7.0	25.0	.	.	.	.	.	.	.	.	.	.	7.0
4	7.0	26.0	.	.	.	.	.	.	.	.	.	.	7.0
ALL	28.0	46.0	3.0	3.1	14.0	320.0	4.0	2.5	17.0	1500.0	10.0	22.0	76.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

24

	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TCE	TCE	TCE	TCE	TCE	TCE	TCE
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
DAY														
COMMANDER	4.0	35.0	2.0	8.7	5.0	320.0	2.0	1.1	2.0	240.0	2.0	4.3	17.0	320.0
1	5.0	46.0			4.0	100.0			5.0	1100.0	5.0	22.0	19.0	1100.0
2	3.0	25.0											3.0	25.0
3	5.0	25.0											5.0	25.0
4	17.0	46.0	2.0	8.7	9.0	320.0	2.0	1.1	7.0	1100.0	7.0	22.0	44.0	1100.0
ALL														
DAY														
DRIVER														
1	5.0	29.0	2.0	80.0	4.0	48.0	3.0	1.2	5.0	270.0	4.0	13.0	23.0	270.0
2	5.0	52.0			5.0	110.0			4.0	190.0	2.0	5.8	16.0	190.0
3	3.0	18.0											3.0	18.0
4	5.0	46.0											5.0	46.0
ALL	18.0	52.0	2.0	80.0	9.0	110.0	3.0	1.2	9.0	270.0	6.0	13.0	47.0	270.0
DAY														
GUNNER														
1														
2														
3														
4														
ALL														
DAY														
LOADER														
1	4.0	47.0	3.0	17.0	6.0	120.0	4.0	2.5	3.0	73.0	2.0	0.4	22.0	120.0
2	5.0	34.0			4.0	0.9			3.0	260.0	3.0	21.0	15.0	260.0
3	4.0	4.2											4.0	4.2
4	4.0	11.0											4.0	11.0
ALL	17.0	47.0	3.0	17.0	10.0	120.0	4.0	2.5	6.0	260.0	5.0	21.0	45.0	260.0

(CONTINUED)

ALL

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE		GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
				SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
				TCE		TCE		TCE		TCE		TCE		TCE		TCE			
				MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION		DAY																	
COMMANDER	1			25.0	14.1	8.7	.	52.7	55.1	0.9	0.3	210.0	.	0.5	.	42.9	68.0		
				23.0	22.6	.	.	12.5	16.3	.	.	543.3	550.1	3.2	2.9	171.1	365.2		
				12.1	16.8	.	.	.	.	.	.	.	.	.	.	12.1	16.8
				9.3	13.6	.	.	.	.	.	.	.	.	.	.	9.3	13.6
		ALL		16.5	14.9	8.7	.	36.6	45.5	0.9	6.3	460.0	479.1	2.5	2.7	87.7	238.2		
DRIVER	1																		
				1.8	2.6	80.0	.	36.5	16.3	0.8	0.2	0.7	.	6.5	9.2	17.2	27.0		
				23.7	24.9	.	.	37.0	63.3	.	.	76.1	104.5	5.8	.	37.8	55.6		
				24.3	30.7	.	.	.	.	.	.	.	.	.	.	24.3	30.7
		ALL		17.6	21.9	80.0	.	36.8	45.5	0.8	0.2	51.0	85.8	6.3	6.5	26.7	41.4		
LOADER	1																		
				34.0	18.4	16.5	0.7	29.9	36.8	0.1	0.1	0.3	0.4	0.3	0.0	13.5	19.4		
				23.7	11.7	.	.	0.8	0.2	.	.	0.0	.	11.7	13.2	12.0	13.4		
				0.3	.	.	.	.	.	.	.	.	.	.	.	0.3	.
		ALL		4.5	4.6	.	.	.	.	.	.	.	.	.	.	4.5	4.6
ALL	1			18.5	16.5	16.5	0.7	15.4	27.1	0.1	0.1	0.2	0.3	6.0	10.0	11.6	16.1		
		ALL																	
ALL	1			20.3	18.1	30.4	33.3	41.6	37.4	0.6	0.4	52.8	104.8	2.8	5.7	23.9	43.1		
				23.5	17.0	.	.	19.6	40.8	.	.	297.0	443.6	6.4	7.5	79.5	228.9		
				8.2	13.7	.	.	.	.	.	.	.	.	.	.	8.2	13.7
				12.2	17.2	.	.	.	.	.	.	.	.	.	.	12.2	17.2
		ALL		17.5	16.9	30.4	33.3	30.6	39.3	0.6	0.4	199.3	359.0	4.8	6.7	43.8	147.5		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

27

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		ICE		ICE		ICE		ICE		ICE		ICE	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	16.5	7.8	3.1		160.8	225.2			240.0		4.3	
	2	32.2	23.0			50.0	70.7			326.4	457.6	11.5	14.8
	3	25.0											
	4	1.0	0.1										
	ALL	19.6	18.3	3.1		105.4	150.5			297.6	327.4	9.1	11.3
DRIVER	1	19.0	9.2	2.0		3.8	0.4	1.2		100.7	128.1	1.3	1.3
	2	7.0	2.6			1.1	0.1			95.0	134.4	3.9	
	3	6.3	10.2										
	4	10.3	13.6										
	ALL	11.0	10.2	2.0		2.4	1.5	1.2		98.8	116.1	2.1	1.8
GUNNER	1									0.0	0.0	1.5	1.6
	2									809.3	752.1	10.0	
	3									485.6	692.4	4.3	5.1
	4												
	ALL												
LOADER	1	18.5	13.4	1.7		41.4	56.0	1.3	1.7	73.0			
	2	20.3	15.2			0.5	0.3			130.0	183.8	4.0	
	3	1.5	2.4										
	4	5.6	7.6										
	ALL	10.4	11.7	1.7		27.8	48.2	1.3	1.7	111.0	134.1	4.0	
ALL	DAY												
	1	18.2	8.3	2.3	0.7	61.8	112.2	1.2	1.0	89.5	112.6	1.9	1.7

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

28

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		TCE		TCE		TCE		TCE		TCE		TCE	
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
2		21.6	18.5										
3		6.9	10.3										
4		6.3	9.4										
ALL		13.2	13.5	2.3	0.7	42.7	89.1	1.2	1.0	249.8	411.9	5.1	6.6
												69.4	217.5

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

29

ALL

		COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION	DAY																										
COMMANDER	1	20.8	10.5	5.9	4.0	95.9	133.1	0.9	0.3	225.0	21.2	2.4	2.7	60.6	99.4												
	2	28.6	20.4	.	.	31.2	47.2	.	.	456.6	466.7	6.5	8.9	136.0	296.2												
	3	16.4	14.0	.	.	.	.	.	.	.	.	.	.	16.4	14.0								
	4	6.0	10.6	.	.	.	.	.	.	.	.	.	.	6.0	10.6								
	ALL	17.9	16.1	5.9	4.0	67.2	104.2	0.9	0.3	390.4	397.5	5.3	7.6	83.9	207.0												
DRIVER	1	12.1	11.5	41.0	55.2	20.1	21.1	1.0	0.3	80.7	119.6	3.9	6.2	28.0	61.2												
	2	17.0	19.9	.	.	22.6	48.9	.	.	85.5	98.9	4.8	1.3	34.4	60.5												
	3	6.3	10.2	.	.	.	.	.	.	.	.	.	.	6.3	10.2								
	4	15.9	19.7	.	.	.	.	.	.	.	.	.	.	15.9	19.7								
	ALL	13.6	15.6	41.0	55.2	21.5	36.9	1.0	0.3	82.9	104.1	4.2	4.8	27.5	55.5												
GUNNER	1	.	.	.	.	.	.	1.0	.	0.0	0.0	1.5	1.6	0.8	1.1								
	2	.	.	.	.	.	.	.	.	809.3	752.1	10.0	.	609.5	732.7								
	ALL	.	.	.	.	.	.	1.0	.	485.6	692.4	4.3	5.1	271.3	551.6								
	1	26.3	15.9	11.6	8.6	37.6	46.8	0.7	1.2	24.5	42.0	0.3	0.0	20.1	30.8												
	2	22.3	11.4	.	.	0.7	0.2	.	.	86.7	150.1	9.1	10.3	26.8	65.6												
LOADER	3	1.2	2.0	.	.	.	.	.	.	.	.	.	.	1.2	2.0								
	4	5.1	5.2	.	.	.	.	.	.	.	.	.	.	5.1	5.2								
	ALL	14.2	14.3	11.6	8.6	22.8	39.7	0.7	1.2	55.6	104.3	5.6	8.7	19.3	43.5												
	1	19.1	13.1	18.4	27.9	52.4	83.7	0.9	0.7	77.3	106.7	2.4	4.0	31.7	65.5												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

30

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TCE	MEAN	STD	MEAN	STD	MEAN	STD
DAY	17.1	18.5	39.0	354.2	482.1	7.2	110.6	291.7	7.3	10.6	9.3	13.7	15.2	18.4
2	22.6	17.1	18.5	39.0	354.2	482.1	7.2	110.6	291.7	7.3	10.6	9.3	13.7	15.2
3	7.3	10.6	9.3	13.7	15.2	18.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
4	9.3	13.7	15.2	18.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
ALL	15.2	15.2	18.4	27.9	36.6	67.8	0.9	0.7	231.1	386.8	4.9	6.5	57.2	187.3

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

31

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE																							
		STILL-M109			CARSON-M109			BLINNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL			
		BNZ			BNZ			BNZ			BNZ			BNZ			BNZ			BNZ			
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX		
POSITION DAY																							
COMMAND																							
1		2.0	15.0	1.0	38.0	3.0	160.0	2.0	20.0	1.0	250.0	1.0	20.0	1.0	20.0	1.0	20.0	1.0	20.0	1.0	250.0		
2		2.0	44.0	.1	.1	2.0	140.0	.1	.1	3.0	450.0	3.0	22.0	3.0	22.0	3.0	22.0	3.0	22.0	3.0	450.0		
3		2.0	22.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	22.0		
4		3.0	49.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	49.0		
ALL		9.0	49.0	1.0	38.0	5.0	160.0	2.0	20.0	4.0	450.0	4.0	22.0	4.0	22.0	4.0	22.0	4.0	22.0	4.0	450.0		
DRIVER																							
DAY																							
1		2.0	13.0	1.0	32.0	2.0	140.0	2.0	28.0	1.0	230.0	2.0	36.0	2.0	36.0	2.0	36.0	2.0	36.0	2.0	230.0		
2		3.0	48.0	.1	.1	3.0	98.0	.1	.1	2.0	140.0	1.0	5.5	2.0	140.0	1.0	5.5	2.0	140.0	1.0	140.0		
4		2.0	63.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	63.0		
ALL		7.0	63.0	1.0	32.0	5.0	140.0	2.0	28.0	3.0	230.0	3.0	36.0	3.0	36.0	3.0	36.0	3.0	36.0	3.0	230.0		
LOADER																							
DAY																							
1		2.0	34.0	2.0	41.0	2.0	140.0	2.0	24.0	2.0	400.0	2.0	49.0	2.0	49.0	2.0	49.0	2.0	49.0	2.0	400.0		
2		3.0	56.0	.1	.1	2.0	110.0	.1	.1	1.0	380.0	2.0	13.0	2.0	13.0	2.0	13.0	2.0	13.0	2.0	380.0		
3		1.0	6.9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.9		
4		2.0	30.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	30.0		
ALL		8.0	56.0	2.0	41.0	4.0	140.0	2.0	24.0	3.0	400.0	4.0	49.0	4.0	49.0	4.0	49.0	4.0	49.0	4.0	400.0		
ALL																							
DAY																							
1		6.0	34.0	4.0	41.0	7.0	160.0	6.0	28.0	4.0	400.0	5.0	49.0	5.0	49.0	5.0	49.0	5.0	49.0	5.0	400.0		
2		8.0	56.0	.1	.1	7.0	140.0	.1	.1	6.0	450.0	6.0	22.0	6.0	22.0	6.0	22.0	6.0	22.0	6.0	450.0		
3		3.0	22.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	22.0		
4		7.0	63.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	63.0		
ALL		24.0	63.0	4.0	41.0	14.0	160.0	6.0	28.0	10.0	450.0	11.0	49.0	11.0	49.0	11.0	49.0	11.0	49.0	11.0	450.0		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TURT & VEHICLE TYPE											
POSITION	DAY	CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
COMMANDER	1	2.0	28.0	1.0	55.0	2.0	180.0	.	1.0	230.0	1.0	15.0	7.0
	2	3.0	38.0	.	.	2.0	150.0	.	2.0	290.0	2.0	22.0	9.0
	3	1.0	360.0	.	.	.	.	.	.	.	.	.	1.0
	4	2.0	50.0	.	.	.	.	.	.	.	.	.	2.0
	ALL	8.0	360.0	1.0	55.0	4.0	180.0	.	3.0	290.0	3.0	22.0	19.0
DRIVER	1	3.0	27.0	1.0	55.0	2.0	130.0	1.0	48.0	4.0	270.0	2.0	60.0
	2	2.0	50.0	.	.	2.0	98.0	.	.	2.0	300.0	1.0	23.0
	3	3.0	27.0	.	.	.	.	.	.	.	.	.	3.0
	4	3.0	100.0	.	.	.	.	.	.	.	.	.	3.0
	ALL	11.0	100.0	1.0	55.0	4.0	130.0	1.0	48.0	6.0	300.0	3.0	60.0
GUNNER	1	.	.	.	.	.	.	1.0	41.0	2.0	130.0	2.0	70.0
	2	.	.	.	.	.	.	.	.	3.0	490.0	1.0	15.0
	3	.	.	.	.	1.0	41.0	5.0	490.0	3.0	70.0	9.0	490.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	2.0	84.0	1.0	58.0	4.0	160.0	2.0	170.0	1.0	300.0	.	10.0
LOADER	1	2.0	33.0	.	.	2.0	130.0	.	.	2.0	280.0	1.0	24.0
	2	3.0	130.0	.	.	.	.	.	.	.	.	.	3.0
	3	2.0	19.0	.	.	.	.	.	.	.	.	.	2.0
	4	9.0	130.0	1.0	58.0	6.0	160.0	2.0	170.0	3.0	300.0	1.0	24.0
	ALL	9.0	130.0	1.0	58.0	6.0	160.0	2.0	170.0	3.0	300.0	1.0	24.0

(CONTINUED)

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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

34

ALL

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		BNZ		BNZ		BNZ		BNZ		BNZ		BNZ	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION/DAY													
COMMANDER	1	4.0	28.0	2.0	55.0	5.0	180.0	2.0	20.0	2.0	250.0	2.0	20.0
	2	5.0	44.0	.	.	4.0	150.0	.	.	5.0	450.0	5.0	22.0
	3	3.0	360.0	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	50.0	.	.	.	.	.	.	.	.	.	5.0
	ALL	17.0	360.0	2.0	55.0	9.0	180.0	2.0	20.0	7.0	450.0	7.0	22.0
DRIVER	1	5.0	27.0	2.0	55.0	4.0	140.0	3.0	48.0	5.0	270.0	4.0	60.0
	2	5.0	50.0	.	.	5.0	98.0	.	.	4.0	300.0	2.0	23.0
	3	3.0	27.0	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	100.0	.	.	.	.	.	.	.	.	.	5.0
	ALL	18.0	100.0	2.0	55.0	9.0	140.0	3.0	48.0	9.0	300.0	6.0	60.0
GUNNER	1	.	.	.	.	.	.	1.0	41.0	2.0	130.0	2.0	70.0
	2	.	.	.	.	.	.	.	.	3.0	490.0	1.0	15.0
	3	.	.	.	.	1.0	41.0	5.0	490.0	3.0	70.0	9.0	490.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	84.0	3.0	58.0	6.0	160.0	4.0	170.0	3.0	400.0	2.0	49.0
LOADER	1	5.0	56.0	.	.	4.0	130.0	.	.	3.0	380.0	3.0	24.0
	2	4.0	130.0	.	.	.	.	.	.	.	.	.	4.0
	3	4.0	30.0	.	.	.	.	.	.	.	.	.	4.0
	4	17.0	130.0	3.0	58.0	10.0	160.0	4.0	170.0	6.0	400.0	5.0	49.0
	ALL	30.0	30.0	3.0	58.0	10.0	160.0	4.0	170.0	6.0	400.0	5.0	49.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

35

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY														
1	13.0	84.0	7.0	58.0	15.0	180.0	10.0	170.0	12.0	400.0	10.0	70.0	67.0	400.0
2	15.0	56.0	.	.	13.0	150.0	.	.	15.0	490.0	11.0	24.0	54.0	490.0
3	10.0	360.0	.	.	.	.	.	.	.	.	.	.	10.0	360.0
4	14.0	100.0	.	.	.	.	.	.	.	.	.	.	14.0	100.0
ALL	52.0	360.0	7.0	58.0	28.0	180.0	10.0	170.0	27.0	490.0	21.0	70.0	145.0	490.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORI & VEHICLE TYPE															
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ
POSITION DAY		MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN
COMMANDER	1	10.3	6.6	38.0	120.7	44.7	20.0	0.0	250.0		20.0			73.1	81.4		
	2	24.8	27.2		108.5	44.5			276.7	161.7	15.0	8.1	114.2	141.4			
	3	15.6	9.0											15.6	9.0		
	4	29.7	19.0											29.7	19.0		
	ALL	21.2	16.3	38.0	115.8	39.3	20.0	0.0	270.0	132.7	16.3	7.1	79.7	105.7			
DRIVER	1	6.5	9.2	32.0	135.0	7.1	16.3	16.5	230.0		18.0	25.5	61.4	78.2			
	2	43.0	4.6		86.7	10.6			135.0	7.1	5.5		73.8	44.5			
	4	47.0	22.6										47.0	22.6			
	ALL	33.7	21.3	32.0	106.0	27.7	16.3	16.5	166.7	55.1	13.8	19.4	65.3	60.3			
	DAY																
LOADER	1	28.5	7.8	39.5	2.1	130.0	14.1	20.5	4.9	265.0	190.9	34.0	21.2	86.3	108.7		
	2	42.3	12.7		55.0	77.8			380.0		7.3	8.1	78.9	126.8			
	3	6.9											6.9				
	4	27.0	4.2										27.0	4.2			
	ALL	30.6	14.2	39.5	2.1	92.5	62.9	20.5	4.9	303.3	150.4	20.6	20.2	75.1	107.3		
	DAY																
ALL	1	15.1	12.2	37.3	3.8	127.4	27.4	18.9	8.0	252.5	111.5	24.8	18.6	74.4	89.5		
	2	38.2	15.0			83.9	43.1			246.7	139.8	10.9	7.8	90.3	110.5		
	3	12.7	8.1										12.7	8.1			
	4	3.9	17.1										3.9	17.1			
	ALL	28.0	17.4	37.3	3.8	105.6	41.4	18.9	8.0	249.0	122.5	17.2	14.9	73.8	93.7		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

37

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER	1	20.5	10.6	55.0	165.0	21.2	15.0	95.9	89.1				
	2	28.3	11.2	75.0	106.1	63.6	18.0	5.7	84.6	103.4			
	3	360.0						360.0					
	4	40.0	14.1					40.0	14.1				
	ALL	70.8	117.5	55.0	120.0	81.2	240.0	45.8	17.0	4.4	98.5	108.1	
DRIVER	1	15.1	11.0	55.0	120.0	14.1	48.0	196.3	75.0	57.0	4.2	99.0	84.3
	2	46.5	4.9	92.5	7.8	265.0	49.5	23.0	118.7	105.1			
	3	15.2	10.8					15.2	10.8				
	4	58.3	38.5					58.3	38.5				
	ALL	32.6	27.7	55.0	106.3	18.4	48.0	219.2	71.6	45.7	19.9	90.0	85.2
GUNNER	1							125.0	7.1	56.5	19.1	80.8	42.1
	2							275.0	199.8	15.0		210.0	208.6
	3							215.0	163.5	42.7	27.5	138.2	147.8
	4												
	ALL												
LOADER	1	50.0	48.1	58.0	142.5	20.6	98.0	101.8	300.0			122.4	83.6
	2	31.5	2.1	120.0	14.1	189.0	128.7	24.0	100.7	90.0			
	3	57.3	63.3									57.3	63.3
	4	16.5	3.5									16.5	3.5
	ALL	40.9	39.8	58.0	135.0	20.7	98.0	101.8	226.0	111.3	24.0	97.0	82.7
ALL	1	26.6	26.6	56.0	1.7	142.5	23.8	71.3	66.5	195.6	74.6	21.1	102.5
	2												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
		34.4	10.8					247.0	118.7	19.6	4.7	116.2	120.4
2				95.8	52.1								
3		82.5	129.6									82.5	129.6
4		41.1	29.7									41.1	29.7
ALL		46.2	67.8	56.0	1.7	122.5	43.8	71.3	66.5	222.8	100.9	34.0	20.9
												99.9	98.4

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

39

ALL

		COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		BNZ				BNZ				BNZ				BNZ				BNZ				BNZ				BNZ	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION	DAY																										
COMMANDER	1	15.4	9.3	46.5	12.0	138.4	41.3	20.0	0.0	240.0	14.1	17.5	3.5	82.5	82.7												
	2	26.9	15.9	.	.	91.8	69.2	.	.	264.0	119.9	16.2	6.6	100.1	122.4												
	3	130.4	198.9	.	.	.	.	.	.	.	.	.	.	130.4	198.9								
	4	33.8	16.2	.	.	.	.	.	.	.	.	.	.	33.8	16.2								
	ALL	44.5	82.6	46.5	12.0	117.7	57.0	20.0	0.0	257.1	98.8	16.6	5.6	87.8	106.0												
DRIVER	1	11.6	10.2	43.5	16.3	127.5	12.6	26.9	21.7	203.0	66.7	37.5	27.0	82.6	82.1												
	2	44.4	4.5	.	.	89.0	9.0	.	.	200.0	80.4	14.3	12.4	93.5	77.5												
	3	15.2	10.8	.	.	.	.	.	.	.	.	.	.	15.2	10.8								
	4	53.8	30.1	.	.	.	.	.	.	.	.	.	.	53.8	30.1								
	ALL	33.0	24.7	43.5	16.3	106.1	22.6	26.9	21.7	201.7	68.2	29.8	24.7	79.0	75.4												
GUNNER	1	.	.	.	.	.	.	41.0	.	125.0	7.1	56.5	19.1	80.8	42.1								
	2	.	.	.	.	.	.	.	.	275.0	199.8	15.0	.	210.0	208.6								
	3	.	.	.	.	.	.	41.0	.	215.0	163.5	42.7	27.5	138.2	147.8								
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	39.3	30.7	45.7	10.8	138.3	18.3	59.3	73.9	276.7	136.5	34.0	21.2	102.7	97.6												
LOADER	1	38.0	10.8	.	.	87.5	59.1	.	.	252.7	143.0	12.9	11.2	89.1	107.8												
	2	44.7	57.5	.	.	.	.	.	.	.	.	.	.	44.7	57.5								
	3	21.8	6.8	.	.	.	.	.	.	.	.	.	.	21.8	6.8								
	4	36.1	30.2	45.7	10.8	118.0	45.2	59.3	73.9	264.7	125.7	21.3	17.6	85.8	95.7												
	ALL	21.3	21.2	45.3	10.4	135.5	25.8	39.9	47.3	214.6	87.8	36.6	22.5	89.0	84.5												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

40

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY																
12	36.4	12.9			89.4	45.8					246.9	122.6	14.8	7.8	103.2	115.2
13	61.6	111.1													61.6	111.1
14	37.5	23.6													37.5	23.6
ALL	37.8	51.5	45.3	10.4	114.1	42.7	39.9	47.3	232.5	107.8	25.2	19.5	87.5	96.8		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

41

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			CARSON-M109			BENNING-M3			KNOX-M60		
		DMCH			DMCH			DMCH			DMCH		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	1.9	1.0	2.3	3.0	1.1	2.0	6.8	1.0	52.0	1.0	1.7
	2	2.0	1.9	.	.	2.0	0.4	.	.	3.0	140.0	3.0	4.1
	3	2.0	4.2	.	.	.	.	.	.	.	.	.	2.0
	4	3.0	8.9	.	.	.	.	.	.	.	.	.	3.0
	ALL	9.0	8.9	1.0	2.3	5.0	1.1	2.0	6.8	4.0	140.0	4.0	4.1
DRIVER													
DRIVER	1	2.0	0.1	1.0	5.6	2.0	1.0	2.0	3.8	1.0	1.3	2.0	1.3
	2	3.0	0.3	.	.	3.0	4.4	.	.	2.0	68.0	1.0	13.0
	4	2.0	14.0	.	.	.	.	.	.	.	.	.	2.0
	ALL	7.0	14.0	1.0	5.6	5.0	4.4	2.0	3.8	3.0	68.0	3.0	13.0
LOADER													
LOADER	1	2.0	0.3	2.0	3.2	2.0	3.7	2.0	1.1	2.0	64.0	2.0	0.8
	2	3.0	0.6	.	.	2.0	1.9	.	.	1.0	11.0	2.0	3.8
	3	1.0	6.6	.	.	.	.	.	.	.	.	.	1.0
	4	2.0	68.0	.	.	.	.	.	.	.	.	.	2.0
	ALL	8.0	68.0	2.0	3.2	4.0	3.7	2.0	1.1	3.0	64.0	4.0	3.8
ALL													
ALL	1	6.0	1.9	4.0	5.6	7.0	3.7	6.0	6.8	4.0	64.0	5.0	1.7
	2	8.0	1.9	.	.	7.0	4.4	.	.	6.0	140.0	6.0	13.0
	3	3.0	6.6	.	.	.	.	.	.	.	.	.	3.0
	4	7.0	68.0	.	.	.	.	.	.	.	.	.	7.0
	ALL	24.0	68.0	4.0	5.6	14.0	4.4	6.0	6.8	10.0	140.0	11.0	13.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		DMCH	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH					
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMANDER	1	2.0	0.3	1.0	3.6	2.0	0.9		1.0	11.0	1.0	0.1	7.0
	2	3.0	4.7			2.0	3.2		2.0	55.0	2.0	4.1	9.0
	3	1.0	4.6										1.0
	4	2.0	1.7										2.0
	ALL	8.0	4.7	1.0	3.6	4.0	3.2		3.0	55.0	3.0	4.1	19.0
DRIVER	DAY												
1		3.0	3.8	1.0	0.0	2.0	1.5	1.0	0.2	4.0	530.0	2.0	1.6
2		2.0	0.3			2.0	1.5			2.0	75.0	1.0	1.9
3		3.0	4.9										3.0
4		3.0	6.6										3.0
ALL		11.0	6.6	1.0	0.0	4.0	1.5	1.0	0.2	6.0	530.0	3.0	1.9
GUNNER	DAY												
1								1.0	0.3	2.0	69.0	2.0	0.2
2										3.0	200.0	1.0	0.9
ALL								1.0	0.3	5.0	200.0	3.0	0.9
LOADER	DAY												
1		2.0	0.3	1.0	3.0	4.0	18.0	2.0	2.5	1.0	29.0		10.0
2		2.0	0.0			2.0	7.7			2.0	65.0	1.0	0.1
3		3.0	1.8										3.0
4		2.0	3.2										2.0
ALL		9.0	3.2	1.0	3.0	6.0	18.0	2.0	2.5	3.0	65.0	1.0	0.1

(CONTINUED)

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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

44

ALL	COMBINATION OF FORI & VEHICLE TYPE														
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMCH	DMCH	DMCH	DMCH	DMCH			
	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.			
POSITION	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY			
COMMANDER	1	4.0	1.9	2.0	3.6	5.0	1.1	2.0	6.8	2.0	52.0	1.7	17.0	52.0	
	2	5.0	4.7	.	4.0	3.2	.	.	5.0	140.0	5.0	4.1	19.0	140.0	
	3	3.0	4.6	.	.	.	.	.	.	.	.	.	3.0	4.6
	4	5.0	8.9	.	.	.	.	.	.	.	.	.	5.0	8.9
	ALL	17.0	8.9	2.0	3.6	9.0	3.2	2.0	6.8	7.0	140.0	7.0	44.0	140.0	
DRIVER	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.
	1	5.0	3.8	2.0	5.6	4.0	1.5	3.0	3.8	5.0	530.0	4.0	1.6	23.0	530.0
	2	5.0	0.3	.	.	5.0	4.4	.	.	4.0	75.0	2.0	13.0	16.0	75.0
	3	3.0	4.9	.	.	.	.	.	.	.	.	.	3.0	4.9
	4	5.0	14.0	.	.	.	.	.	.	.	.	.	5.0	14.0
ALL	18.0	14.0	2.0	5.6	9.0	4.4	3.0	3.8	9.0	530.0	6.0	13.0	47.0	530.0	
GUNNER	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.
	1	1.0	0.3	2.0	69.0	2.0	0.2	5.0	69.0
	2	3.0	200.0	1.0	0.9	4.0	200.0
	3	1.0	0.3	5.0	200.0	3.0	0.9	9.0	200.0
	ALL	.	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.
	1	4.0	0.3	3.0	3.2	6.0	18.0	4.0	2.5	3.0	64.0	2.0	0.8	22.0	64.0
	2	5.0	0.6	.	.	4.0	7.7	.	.	3.0	65.0	3.0	3.8	15.0	65.0
	3	4.0	6.6	4.0	6.6	
	4	4.0	68.0	4.0	68.0	
ALL	17.0	68.0	3.0	3.2	10.0	18.0	4.0	2.5	6.0	65.0	5.0	3.8	45.0	68.0	

(CONTINUED)

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CONCENTRATION (FIRE CONC.) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE		GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				STEELE-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				DMCH	MEAN	STD	MEAN	DMCH	MEAN	STD	MEAN	DMCH	MEAN	STD	MEAN	DMCH	MEAN	STD	MEAN	DMCH	MEAN	STD	MEAN	STD	MEAN	STD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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CONCENTRATION (111K CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

47

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1	
		DMCH				DMCH				DMCH				DMCH				DMCH	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																			
COMMAND-11		0.1	0.1	3.6		0.8	0.1			11.0		0.1				2.4	4.0		
1		1.6	2.7			1.6	2.3			30.0	35.4	2.1	2.8	8.0	17.7				
3		4.6														4.6			
4		0.3	1.2													0.8	1.2		
ALL		1.6	2.1	3.6		1.2	1.4			23.7	27.3	1.5	2.3	5.0	12.4				
DRIVER DAY																			
1		1.3	2.2	0.0		0.8	1.1	0.2		278.5	279.0	0.8	1.1	86.2	193.0				
2		0.1	0.2			0.8	0.9			68.0	9.9	1.9		20.0	33.1				
3		2.3	2.3											2.3	2.3				
4		3.4	3.3											3.4	3.3				
ALL		1.9	2.4	0.0		0.8	0.8	0.2		208.3	242.0	1.2	1.0	49.2	140.1				
GOURNER DAY																			
1								0.3		68.0	1.4	0.1	0.1	27.3	37.2				
2										79.0	104.8	0.9		59.5	94.1				
ALL								0.3		74.6	74.4	0.4	0.5	41.6	65.5				
LOADER DAY																			
1		0.2	0.1	3.0		4.7	8.9	1.5	1.4	29.0				5.4	9.9				
2		0.0	0.0			3.8	5.4			34.5	43.1	0.1		11.0	24.0				
3		0.7	0.9											0.7	0.9				
4		2.2	1.4											2.2	1.4				
ALL		0.8	1.1	3.0		4.4	7.3	1.5	1.4	32.7	30.6	0.1		6.3	14.9				
DAY																			
1		0.7	1.4	2.2	1.9	2.8	6.2	0.9	1.1	161.3	222.3	0.4	0.7	38.0	121.7				

(CONTINUED)

CONCENTRATION (FIRLCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

48

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	DMCH	MEAN	STD	ALL	DMCH	MEAN	STD	ALL	DMCH	MEAN	STD	ALL	DMCH	MEAN	STD	ALL
DAY																
12	0.7	1.8				2.1	3.0							55.8	60.5	1.4
13	2.0	2.0														
14	2.3	2.3														
ALL	1.4	1.9	2.2	1.9	2.5	4.9	4.9	0.9	1.1	105.4	162.5	0.9	1.3	24.8	86.8	

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

49

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SULL-M109				CARSON-M60				KNOX-M60				KHOX-M1			
	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN
CORPORAL	1	0.8	0.8	2.9	0.9	0.8	0.4	3.9	4.0	31.5	29.0	0.9	1.1	5.0	12.4	
	2	1.3	2.1			1.0	1.5			42.0	58.9	2.6	2.0	12.3	33.3	
	3	3.5	1.6											3.5	1.6	
	4	2.1	3.9											2.1	3.9	
ALL	1	1.8	2.5	2.9	0.9	0.9	1.0	3.9	4.0	39.0	49.8	2.1	1.9	7.7	23.2	
	2															
	3															
	4															
DRIVER	1															
	2	0.1	0.1			1.2	1.9			59.5	17.9	7.4	7.8	16.2	27.2	
	3	2.3	2.3											2.3	2.3	
	4	5.8	5.2											5.8	5.2	
ALL	1	2.2	3.6	2.8	4.0	1.0	1.4	1.3	2.1	150.4	210.8	3.0	5.0	30.4	105.9	
	2															
	3															
	4															
GUNNER	1									68.0	1.4	0.1	0.1	27.3	37.2	
	2															
	3									79.0	104.8	0.9		59.5	94.1	
	4									74.6	74.4	0.4	0.5	41.6	65.5	
FOUNDER	1															
	2	0.3	0.1	3.0	0.2	3.8	7.1	1.2	0.9	37.7	23.2	0.6	0.2	6.9	14.9	
	3	0.2	0.3			2.4	3.6			26.7	33.3	2.4	2.0	6.5	16.5	
	4	2.2	3.0											2.2	3.0	
ALL	1	19.3	32.5											19.3	32.5	
	2															
	3															
	4	5.2	16.3	3.0	0.2	3.2	5.8	1.2	0.9	32.2	26.4	1.7	1.7	7.5	16.8	
ALL	1	0.6	1.1	2.9	1.7	1.7	4.5	1.7	2.1	118.9	188.6	0.6	0.7	22.5	89.4	
	2															
	3															
	4															

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

50

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	STILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY																
2	0.5	1.3			1.5	2.3			51.0	56.0	3.3	3.6	15.4	36.5		
3	2.6	2.3											2.6	2.3		
4	8.3	17.6											8.3	17.6		
ALL	3.1	9.6	2.9	1.7	1.7	3.6	1.7	2.1	81.2	133.9	2.0	2.9	17.1	65.0		

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORD & VEHICLE TYPE											
		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ
		# OF VHS.	MAX	# OF VHS.	MAX	# OF VHS.	MAX	# OF VHS.	MAX	# OF VHS.	MAX	# OF VHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	18.0	1.0	50.0	3.0	15.0	2.0	15.0	1.0	340.0	1.0	32.0
	2	2.0	14.0	.1	.1	2.0	16.0	.1	.1	3.0	340.0	3.0	36.0
	3	2.0	30.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	4	3.0	22.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
ALL		9.0	30.0	1.0	50.0	5.0	16.0	2.0	15.0	4.0	340.0	4.0	36.0
DRIVER	DAY												
	1	2.0	13.0	1.0	96.0	2.0	1.7	2.0	14.0	1.0	52.0	2.0	42.0
	2	3.0	22.0	.1	.1	3.0	33.0	.1	.1	2.0	150.0	1.0	26.0
	4	2.0	19.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
ALL		7.0	22.0	1.0	96.0	5.0	33.0	2.0	14.0	3.0	150.0	3.0	42.0
LOADER	DAY												
	1	2.0	18.0	2.0	78.0	2.0	47.0	2.0	10.0	2.0	320.0	2.0	15.0
	2	3.0	27.0	.1	.1	2.0	13.0	.1	.1	1.0	200.0	2.0	31.0
	3	1.0	17.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0
	4	2.0	50.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
ALL		8.0	50.0	2.0	78.0	4.0	47.0	2.0	10.0	3.0	320.0	4.0	31.0
ALL	DAY												
	1	6.0	18.0	4.0	96.0	7.0	47.0	6.0	15.0	4.0	340.0	5.0	42.0
	2	8.0	27.0	.1	.1	7.0	33.0	.1	.1	6.0	340.0	6.0	36.0
	3	3.0	30.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	7.0	50.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0
ALL		24.0	50.0	4.0	96.0	14.0	47.0	6.0	15.0	10.0	340.0	11.0	42.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
	POSITION	SILL-M109		CARSON-M109		BINNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	DAY	1	1	1	1	1	1	1	1	1	1	1	1
	1	2.0	6.8	1.0	30.0	2.0	22.0	1.0	91.0	1.0	22.0	7.0	91.0
	2	3.0	14.0	1	2.0	61.0	1	2.0	500.0	2.0	44.0	9.0	500.0
	3	1.0	38.0	1	1	1	1	1	1	1	1	1.0	38.0
	4	2.0	23.0	1	1	1	1	1	1	1	1	2.0	23.0
DRIVER	DAY	1	1	1	1	1	1	1	1	1	1	1	1
	1	3.0	17.0	1.0	10.0	2.0	16.0	1.0	4.6	4.0	690.0	2.0	22.0
	2	2.0	21.0	1	2.0	14.0	1	2.0	410.0	1.0	21.0	7.0	410.0
	3	3.0	34.0	1	1	1	1	1	1	1	1	3.0	34.0
	4	3.0	49.0	1	1	1	1	1	1	1	1	3.0	49.0
GUNNER	DAY	1	1	1	1	1	1	1	1	1	1	1	1
	1	11.0	49.0	1.0	10.0	4.0	16.0	1.0	4.6	6.0	690.0	3.0	22.0
	2	1	1	1	1	1	1	1	1	1	1	1	1
	3	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1
LOADER	DAY	1	1	1	1	1	1	1	1	1	1	1	1
	1	2.0	8.0	1.0	97.0	4.0	8.4	2.0	19.0	1.0	330.0	10.0	330.0
	2	2.0	25.0	1	2.0	1.4	1	2.0	460.0	1.0	6.0	7.0	460.0
	3	3.0	39.0	1	1	1	1	1	1	1	1	3.0	39.0
	4	2.0	47.0	1	1	1	1	1	1	1	1	2.0	47.0
ALL	DAY	1	1	1	1	1	1	1	1	1	1	1	1
	1	9.0	47.0	1.0	97.0	6.0	8.4	2.0	19.0	3.0	460.0	6.0	22.0
	2	1	1	1	1	1	1	1	1	1	1	1	1
	3	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

53

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
	STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL
	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ
	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	17.0	3.0	97.0	8.0	22.0	4.0	19.0	8.0	690.0	5.0	22.0	35.0	690.0
2	25.0	.1	.1	6.0	61.0	.1	.1	9.0	500.0	5.0	44.0	27.0	500.0
3	39.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0	39.0
4	49.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0	49.0
ALL	28.0	49.0	3.0	97.0	14.0	61.0	4.0	19.0	17.0	690.0	10.0	44.0	690.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UC/M3)

ALL

COMBINATION OF FORK & VEHICLE TYPE																						
		STILL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		DMBZ			DMBZ			DMBZ			DMBZ			DMBZ			DMBZ			DMBZ		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	
POSITION DAY																						
COMMANDER	1	4.0	18.0	2.0	50.0	5.0	22.0	2.0	15.0	2.0	340.0	2.0	340.0	2.0	32.0	17.0	340.0					
	2	5.0	14.0	.	.	4.0	61.0	.	.	5.0	500.0	5.0	44.0	19.0	500.0							
	3	3.0	38.0	.	.	.	.	.	.	.	.	.	.	3.0	38.0						
	4	5.0	23.0	.	.	.	.	.	.	.	.	.	.	5.0	23.0						
	ALL	17.0	38.0	2.0	50.0	9.0	61.0	2.0	15.0	7.0	500.0	7.0	44.0	19.0	500.0							
DRIVER DAY																						
	1	5.0	17.0	2.0	96.0	4.0	16.0	3.0	14.0	5.0	690.0	4.0	42.0	23.0	690.0							
	2	5.0	22.0	.	.	5.0	33.0	.	.	4.0	410.0	2.0	26.0	16.0	410.0							
	3	3.0	34.0	.	.	.	.	.	.	.	.	.	.	3.0	34.0						
	4	5.0	49.0	.	.	.	.	.	.	.	.	.	.	5.0	49.0						
	ALL	18.0	49.0	2.0	96.0	9.0	33.0	3.0	14.0	9.0	690.0	6.0	42.0	23.0	690.0							
GUNNER DAY																						
	1	.	.	.	.	.	.	1.0	2.0	2.0	460.0	2.0	6.1	5.0	460.0						
	2	.	.	.	.	.	.	.	.	3.0	460.0	1.0	15.0	4.0	460.0						
	3	.	.	.	.	.	.	1.0	2.0	5.0	460.0	3.0	15.0	9.0	460.0						
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LOADER DAY																						
	1	4.0	18.0	3.0	97.0	6.0	47.0	4.0	19.0	3.0	330.0	2.0	15.0	22.0	330.0							
	2	5.0	27.0	.	.	4.0	13.0	.	.	3.0	460.0	3.0	31.0	15.0	460.0							
	3	4.0	39.0	.	.	.	.	.	.	.	.	.	.	4.0	39.0						
	4	4.0	50.0	.	.	.	.	.	.	.	.	.	.	4.0	50.0						
	ALL	17.0	50.0	3.0	97.0	10.0	47.0	4.0	19.0	6.0	460.0	5.0	31.0	22.0	460.0							

(CONTINUED)

COMBINATION OF FORT & VEHICLE TYPE													
STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
DMBZ		DMBZ		DMBZ		DMBZ		DMBZ		DMBZ		DMBZ	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
10 DAY													
1	13.0	18.0	7.0	97.0	15.0	47.0	10.0	19.0	12.0	690.0	10.0	42.0	690.0
12	15.0	27.0	.	.	13.0	61.0	.	.	15.0	500.0	11.0	44.0	500.0
13	10.0	39.0	.	.	.	.	.	.	.	.	.	10.0	39.0
14	14.0	50.0	.	.	.	.	.	.	.	.	.	14.0	50.0
ALL	52.0	50.0	7.0	97.0	28.0	61.0	10.0	19.0	27.0	690.0	21.0	44.0	690.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
		STILL-M109				CARSON-M109				BLNNG-M3				KNOX-M60			
		DMBZ				DMBZ				DMBZ				DMBZ			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																
COMMANDER	1	17.0	1.4	50.0		6.5	7.4	8.8	8.8	340.0		32.0		49.3	103.2		
	2	11.0	4.2			11.6	6.2			196.7	124.2	17.7	15.8	68.8	106.2		
	3	22.0	11.3											22.0	11.3		
	4	7.3	12.7											7.3	12.7		
ALL	1	13.6	9.8	50.0		8.5	6.7	8.8	8.8	232.5	124.2	21.3	14.8	49.9	93.2		
	2																
	3																
	4																
DRIVER	1	12.5	0.7	96.0		1.6	0.1	7.0	9.9	52.0		21.0	29.7	23.2	31.3		
	2	17.7	6.7			14.1	16.8			107.5	60.1	26.0		37.4	46.1		
	3	17.0	2.8											17.0	2.8		
	4	16.0	4.7	96.0		9.1	13.7	7.0	9.9	89.0	53.2	22.7	21.2	28.7	36.8		
LOADER	1	15.0	4.2	77.5	0.7	35.5	16.3	5.5	6.4	245.0	106.1	12.3	3.7	65.1	93.5		
	2	19.2	10.2			8.0	7.1			200.0		29.5	2.1	41.6	64.8		
	3	17.0												17.0			
	4	30.0	28.3											30.0	28.3		
ALL	1	20.6	13.5	77.5	0.7	21.8	18.9	5.5	6.4	230.0	79.4	20.9	10.2	51.8	77.3		
	2																
	3																
	4																
ALL	1	14.8	2.9	75.3	19.0	13.4	17.2	7.1	6.7	220.5	135.6	19.7	17.0	47.1	82.4		
	2	16.6	7.6			11.6	10.8			167.5	95.2	23.0	11.7	50.3	76.8		
	3	20.3	8.5											20.3	8.5		
	4	16.6	17.1											16.6	17.1		
ALL	1	16.6	10.2	75.3	19.0	12.5	13.8	7.1	6.7	188.7	109.1	21.5	13.7	44.1	74.2		
	2																
	3																
	4																

CONCENTRATION (FIRCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE															
		STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		DMBZ		DMBZ		DMBZ		DMBZ		DMBZ		DMBZ		DMBZ			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION	DAY																
COMMANDER	1	5.4	2.0	30.0		21.5	0.7			91.0		22.0		28.1	29.2		
	2	10.3	3.4			32.4	40.4			310.0	268.7	24.2	28.0	84.9	160.3		
	3	38.0												38.0			
	4	11.5	16.3											11.5	16.3		
	ALL	12.8	12.3	30.0		27.0	24.2			237.0	228.2	23.5	19.8	53.8	112.6		
DRIVER	1	9.3	6.7	10.0		8.8	10.1	4.6		495.0	199.4	14.3	11.0	159.1	253.6		
	2	12.4	12.1			13.5	0.7			385.0	35.4	21.0		120.4	181.4		
	3	21.3	11.0											21.3	11.0		
	4	21.3	25.1											21.3	25.1		
	ALL	16.4	14.4	10.0		11.2	6.4	4.6		458.3	165.3	16.5	8.7	116.9	204.8		
GUNNER	1							2.0		405.0	77.8	3.0	4.3	163.6	223.8		
	2									286.7	151.4	15.0		218.8	183.7		
	3									334.0	131.1	7.0	7.5	188.1	196.3		
	4																
	ALL																
LOADER	1	7.5	0.6	97.0		3.4	3.4	10.4	12.2	330.0				47.6	103.4		
	2	15.0	14.1			1.4	0.0			263.5	277.9	6.0		80.8	168.8		
	3	22.4	15.5											22.4	15.5		
	4	29.0	25.5											29.0	25.5		
	ALL	18.9	15.2	97.0		2.7	2.8	10.4	12.2	285.7	200.2	6.0		53.1	115.1		
ALL	1	7.7	4.3	45.7	45.6	9.3	9.1	6.8	8.2	401.4	193.4	11.3	10.1	101.7	188.0		

(CONTINUED)

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE													
	STILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN
DAY														
12	12.3	8.1	15.8	22.8	308.6	163.5	18.1	16.0	112.9	168.1				
13	24.2	12.6										24.2	12.6	
14	20.7	20.3										20.7	20.3	
ALL	16.2	13.8	45.7	45.6	12.1	16.0	6.8	8.2	352.2	178.9	14.7	13.1	91.1	164.2

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

59

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	STILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																
COMMANDER																
1	11.2	6.8	40.0	14.1	12.5	9.7	8.8	8.8	215.5	176.1	27.0	7.1	40.6	80.2		
2	10.6	3.2			22.0	26.5			242.0	172.1	20.3	18.3	76.4	130.9		
3	27.3	12.2											27.3	12.2		
4	9.0	12.3											9.0	12.3		
ALL	13.2	10.7	40.0	14.1	16.7	18.3	8.8	8.8	234.4	158.4	22.2	15.5	51.6	100.8		
DRIVER																
1	10.6	5.1	53.0	60.8	5.2	7.2	6.2	7.1	406.4	262.8	17.6	18.7	100.0	200.5		
2	15.6	8.2			13.9	11.9			246.3	165.2	23.5	3.5	73.7	126.9		
3	21.3	11.0											21.3	11.0		
4	19.6	18.0											19.6	18.0		
ALL	16.3	11.4	53.0	60.8	10.0	10.5	6.2	7.1	335.2	227.8	19.6	14.9	77.5	159.2		
GUNNER																
1								2.0	405.0	77.8	3.0	4.3	163.6	223.8		
2									286.7	151.4	15.0		218.8	183.7		
ALL								2.0	334.0	131.1	7.0	7.5	188.1	196.3		
LOADER																
1	11.3	5.0	84.0	11.3	14.1	18.3	7.9	8.4	273.3	89.6	12.3	3.7	57.2	96.1		
2	17.6	10.3			4.7	5.6			242.3	199.9	21.7	13.7	59.9	121.4		
3	21.0	13.0											21.0	13.0		
4	29.5	22.0											29.5	22.0		
ALL	19.7	14.0	84.0	11.3	10.3	14.8	7.9	8.4	257.8	139.6	17.9	11.1	52.4	96.5		
ALL DAY																
1	11.0	5.2	62.6	33.5	11.2	13.1	7.0	6.9	341.1		15.5	13.9	75.6	148.9		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

60

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	14.6	7.9	13.6	16.7	252.1	153.7	20.8	13.3	81.6	133.3						
2	23.0	11.2														
3	18.6	18.2														
4	16.4	12.2	62.6	33.5	12.3	14.7	7.0	6.9	291.7	174.0	18.3	13.5	68.7	131.2		
ALL																

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	NON	NON	NON	NON	NON
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
POSITION DAY		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
COMMANDER	1	2.0	2.6	1.0	21.0	3.0	0.8	2.0	23.0	1.0	330.0	1.0	11.0
	2	2.0	6.5	1.0	2.0	0.4	1.0	3.0	1500.0	3.0	6.8	10.0	1500.0
	3	2.0	15.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	15.0
	4	3.0	18.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	18.0
	ALL	9.0	18.0	1.0	21.0	5.0	0.8	2.0	23.0	4.0	1500.0	4.0	11.0
DRIVER	1	2.0	5.3	1.0	32.0	2.0	0.4	2.0	0.0	1.0	25.0	2.0	16.0
	2	3.0	17.0	1.0	3.0	1.8	1.0	1.0	590.0	1.0	54.0	9.0	590.0
	3	2.0	70.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	70.0
	4	7.0	70.0	1.0	32.0	5.0	1.8	2.0	0.0	3.0	590.0	3.0	54.0
	ALL	7.0	70.0	1.0	32.0	5.0	1.8	2.0	0.0	3.0	590.0	3.0	54.0
LOADER	1	2.0	5.0	2.0	37.0	2.0	1.7	2.0	10.0	2.0	310.0	2.0	12.0
	2	3.0	21.0	1.0	2.0	0.7	1.0	1.0	130.0	2.0	26.0	8.0	130.0
	3	1.0	40.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	40.0
	4	2.0	84.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	84.0
	ALL	8.0	84.0	2.0	37.0	4.0	1.7	2.0	10.0	3.0	310.0	4.0	26.0
ALL	1	6.0	5.3	4.0	37.0	7.0	1.7	6.0	23.0	4.0	330.0	5.0	16.0
	2	8.0	21.0	1.0	2.0	1.8	1.0	1.0	1500.0	6.0	54.0	27.0	1500.0
	3	3.0	40.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	40.0
	4	7.0	84.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.0	84.0
	ALL	24.0	84.0	4.0	37.0	14.0	1.8	6.0	23.0	10.0	1500.0	11.0	54.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE														

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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.
POSITION	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL
COMMANDER	1	4.0	2.6	2.0	21.0	5.0	0.9	2.0	23.0	2.0	330.0	2.0	11.0	17.0	330.0	ALL
	2	5.0	7.6	.	4.0	2.0	.	.	.	5.0	1500.0	5.0	31.0	19.0	1500.0	NON
	3	3.0	22.0	.	.	.	.	.	.	.	.	.	.	3.0	22.0	NON
	4	5.0	18.0	.	.	.	.	.	.	.	.	.	.	5.0	18.0	NON
	ALL	17.0	22.0	2.0	21.0	9.0	2.0	2.0	23.0	7.0	1500.0	7.0	31.0	44.0	1500.0	ALL
DRIVER	1	5.0	5.8	2.0	32.0	4.0	0.8	3.0	0.5	5.0	1900.0	4.0	23.0	23.0	1900.0	ALL
	2	5.0	17.0	.	.	5.0	1.8	.	.	4.0	810.0	2.0	54.0	16.0	810.0	NON
	3	3.0	14.0	.	.	.	.	.	.	.	.	.	.	3.0	14.0	NON
	4	5.0	70.0	.	.	.	.	.	.	.	.	.	.	5.0	70.0	NON
	ALL	18.0	70.0	2.0	32.0	9.0	1.8	3.0	0.5	9.0	1900.0	6.0	54.0	47.0	1900.0	ALL
GUNNER	1	.	.	.	.	.	.	1.0	0.4	2.0	640.0	2.0	3.6	5.0	640.0	ALL
	2	.	.	.	.	.	.	.	.	3.0	1800.0	1.0	7.5	4.0	1800.0	NON
	3	.	.	.	.	.	.	1.0	0.4	5.0	1800.0	3.0	7.5	9.0	1800.0	NON
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	NON
	ALL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	NON
LOADER	1	4.0	5.0	3.0	37.0	6.0	1.7	4.0	33.0	3.0	380.0	2.0	12.0	22.0	380.0	ALL
	2	5.0	21.0	.	.	4.0	0.7	.	.	3.0	840.0	3.0	26.0	15.0	840.0	NON
	3	4.0	40.0	.	.	.	.	.	.	.	.	.	.	4.0	40.0	NON
	4	4.0	84.0	.	.	.	.	.	.	.	.	.	.	4.0	84.0	NON
	ALL	17.0	84.0	3.0	37.0	10.0	1.7	4.0	33.0	6.0	840.0	5.0	26.0	45.0	840.0	ALL

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
	NON	NON	NON	NON	NON	NON	NON					
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
DAY	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
1	13.0	5.8	7.0	37.0	15.0	1.7	10.0	33.0	12.0	1900.0	10.0	23.0
2	15.0	21.0	.1	13.0	2.0	.1	15.0	1800.0	11.0	54.0	54.0	1800.0
3	10.0	40.0	.1	.1	.1	.1	.1	.1	.1	.1	10.0	40.0
4	14.0	84.0	.1	.1	.1	.1	.1	.1	.1	.1	14.0	84.0
ALL	52.0	84.0	7.0	37.0	28.0	2.0	10.0	33.0	27.0	1900.0	21.0	54.0
											145.0	1900.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
		STILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON
POSITION/DAY																	
COMMANDER	1	2.0	0.8	21.0	.	0.6	0.2	14.1	12.5	330.0	.	11.0	.	39.6	102.4	ALL	NON
	2	5.9	0.8	.	.	0.3	0.1	.	.	535.7	835.2	2.9	3.5	162.8	470.3		
	3	9.6	7.6	.	.	.	.	.	.	.	.	.	.	9.6	7.6		
	4	6.0	10.4	.	.	.	.	.	.	.	.	.	.	6.0	10.4		
	ALL	5.9	6.5	21.0	.	0.5	0.2	14.1	12.5	484.3	689.6	4.9	4.9	82.5	302.5		
DRIVER	1	3.1	3.1	32.0	.	0.4	0.1	0.0	0.0	25.0	.	8.0	11.3	8.0	12.0		
	2	11.6	8.4	.	.	0.8	0.9	.	.	328.0	370.5	54.0	.	83.0	191.7		
	4	44.5	36.1	.	.	.	.	.	.	.	.	.	.	44.5	36.1		
	ALL	18.6	23.9	32.0	.	0.6	0.7	0.0	0.0	227.0	315.0	23.3	27.7	43.6	127.1		
LOADER	1	3.3	2.4	34.5	3.5	1.5	0.3	5.4	6.5	245.0	91.9	6.4	8.0	49.3	96.3		
	2	14.3	10.0	.	.	0.5	0.4	.	.	130.0	.	21.0	7.1	27.0	42.8		
	3	40.0	.	.	.	.	.	.	.	.	.	.	.	40.0	.		
	4	52.0	45.3	.	.	.	.	.	.	.	.	.	.	52.0	45.3		
	ALL	24.2	27.3	34.5	3.5	1.0	0.7	5.4	6.5	206.7	92.9	13.7	10.5	41.4	73.7		
ALL	1	2.8	1.9	30.5	6.8	0.8	0.5	6.5	9.0	211.3	140.9	7.9	7.2	33.4	81.8		
	2	11.2	7.8	.	.	0.6	0.6	.	.	398.8	578.1	17.5	20.3	96.0	302.7		
	3	19.7	18.4	.	.	.	.	.	.	.	.	.	.	19.7	18.4		
	4	30.1	33.4	.	.	.	.	.	.	.	.	.	.	30.1	33.4		
	ALL	15.7	21.3	30.5	6.8	0.7	0.5	6.5	9.0	323.8	449.0	13.1	15.9	57.0	198.0		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORK & VEHICLE TYPE															
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		NON				NON				NON				NON			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																	
COMMANDER																	
1		1.1	0.1	13.0		0.8	0.1							6.9		9.7	15.8
2		5.8	2.7			1.0	1.4							352.0	421.4	16.6	20.3
3		22.0															
4		1.6	2.3														
ALL		5.6	7.2	13.0		0.9	0.8							249.3	347.0	13.4	15.4
DRIVER																	
1		3.4	2.1	13.0		0.7	0.1	0.5						1012.5	862.5	11.7	16.0
2		2.7	1.6			0.4	0.1							540.0	381.8	14.0	
3		7.5	6.1														
4		7.5	9.4														
ALL		5.5	5.6	13.0		0.6	0.2	0.5						855.0	731.5	12.4	11.4
GUNNER																	
1														545.0	134.4	1.8	2.5
2														671.3	977.7	7.5	
ALL														620.8	698.0	3.7	3.8
LOADER																	
1		1.5	1.0	28.0		0.7	0.6	16.6						380.0			
2		3.9	2.1			0.5	0.3							421.5	577.7	3.3	
3		2.5	3.2														
4		5.1	2.3														
ALL		3.2	2.4	28.0		0.6	0.5	16.6	23.3	414.3	409.6	3.3				60.9	191.6
ALL																	
1		2.2	1.7	18.0		0.7	0.4	8.5	16.3	695.5	678.4	6.8		9.5		163.1	425.8

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		NON	NON	NON	NON	NON	NON	NON					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY													
2		4.4	2.3	.1	0.6	0.7	.1	517.9	582.1	11.6	11.8	176.1	406.2
3		7.4	7.9	.1	.1	.1	.1	.1	.1	.1	.1	7.4	7.9
4		5.1	6.2	.1	.1	.1	.1	.1	.1	.1	.1	5.1	6.2
ALL		4.8	5.3	18.0	8.7	0.7	0.5	8.5	16.3	601.5	615.7	9.2	10.4
												138.8	378.7

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE																											
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
	NON		NON		NON		NON		NON		NON		NON		NON		NON		NON		NON		NON					
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION DAY																												
COMMANDER	1	1.6	0.7	17.0	5.7	0.7	0.2	14.1	12.5	187.0	202.2	8.9	2.9	27.3	78.9													
	2	5.8	1.9	.	.	0.7	0.9	.	.	462.2	635.0	8.4	12.9	125.5	363.9													
	3	15.7	9.0	.	.	.	.	.	.	.	.	.	.	.	13.7	9.0									
	4	4.3	7.8	.	.	.	.	.	.	.	.	.	.	.	4.3	7.8									
	ALL	5.8	6.6	17.0	5.7	0.7	0.6	14.1	12.5	383.6	541.9	8.6	10.6	66.2	246.0													
DRIVER DAY																												
1	3.3	2.2	22.5	13.4	0.5	0.2	0.2	0.3	815.0	367.8	9.8	11.5	181.7	503.4														
2	8.1	7.7	.	.	0.6	0.7	.	.	434.0	330.7	36.0	28.3	115.5	241.1														
3	7.5	6.7	.	.	.	.	.	.	.	.	.	.	.	7.5	6.1										
4	22.3	27.9	.	.	.	.	.	.	.	.	.	.	.	22.3	27.9										
ALL	10.6	16.2	22.5	13.4	0.6	0.5	0.2	0.3	645.7	676.6	17.9	19.9	131.1	379.3														
GUNNER DAY																												
1	.	.	.	.	.	.	.	0.4	.	545.0	134.4	1.8	2.5	218.8	305.3										
2	.	.	.	.	.	.	.	.	.	671.3	977.7	7.5	.	505.4	864.6										
ALL	.	.	.	.	.	.	.	0.4	.	620.8	698.0	3.7	3.8	346.2	591.4										
LOADER DAY																												
1	2.4	1.8	32.3	4.5	0.9	0.6	11.0	15.3	290.0	101.5	6.4	8.0	47.2	104.3														
2	10.1	9.1	.	.	0.5	0.3	.	.	331.0	444.0	15.1	11.4	72.7	214.7														
3	11.9	18.9	.	.	.	.	.	.	.	.	.	.	.	11.9	18.9										
4	28.5	37.7	.	.	.	.	.	.	.	.	.	.	.	28.5	37.7										
ALL	13.1	21.1	32.3	4.5	0.7	0.6	11.0	15.3	310.5	289.0	11.6	10.2	50.9	142.6														
ALL DAY																												
1	2.5	1.7	22.1	9.6	0.8	0.4	7.3	11.6	534.1	595.9	7.4	8.0	101.1	317.5														

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON
DAY	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON
ALL	9.8	15.8	25.1	9.6	0.7	0.5	7.3	11.6	498.6	567.2	11.3	13.4	79.9	308.0		
2	8.0	6.7			0.6	0.6			470.3	562.7	14.8	16.5	136.0	357.1		
3	11.1	12.3													11.1	12.3
4	17.6	26.5													17.6	26.5
ALL	9.8	15.8	25.1	9.6	0.7	0.5	7.3	11.6	498.6	567.2	11.3	13.4	79.9	308.0		

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			CARSON-M109			BENNING-M3			KNOX-M60		
		BZF			BZF			BZF			BZF		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	0.0	1.0	0.0	3.0	1.2	2.0	0.0	1.0	0.0	1.0	0.0
	2	2.0	0.0	.1	.1	2.0	0.2	.1	.1	3.0	0.0	3.0	0.0
	3	2.0	0.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	4	3.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	ALL	9.0	0.7	1.0	0.0	5.0	1.2	2.0	0.0	4.0	0.0	4.0	0.0
DRIVER	1	2.0	0.0	1.0	0.0	2.0	0.0	2.0	0.0	1.0	0.0	2.0	0.0
	2	3.0	0.0	.1	.1	3.0	0.0	.1	.1	2.0	0.0	1.0	0.0
	4	2.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	ALL	7.0	0.0	1.0	0.0	5.0	0.0	2.0	0.0	3.0	0.0	3.0	0.0
	DAY												
LOADER	1	2.0	0.0	2.0	0.0	2.0	0.6	2.0	0.0	2.0	0.0	2.0	0.0
	2	3.0	0.0	.1	.1	2.0	0.0	.1	.1	1.0	0.0	2.0	0.0
	3	1.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0
	4	2.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	ALL	8.0	0.0	2.0	0.0	4.0	0.6	2.0	0.0	3.0	0.0	4.0	0.0
ALL	1	6.0	0.0	4.0	0.0	7.0	1.2	6.0	0.0	4.0	0.0	5.0	0.0
	2	8.0	0.0	.1	.1	7.0	0.2	.1	.1	6.0	0.0	6.0	0.0
	3	3.0	0.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	7.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0
	ALL	24.0	0.7	4.0	0.0	14.0	1.2	6.0	0.0	10.0	0.0	11.0	0.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

SAMPLE TYPE	BREATHING ZONE	COMBINATION OF FORK & VEHICLE TYPE															
		CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60			
		BZF	# OF VEH.	MAX	# OF VEH.	BZF	MAX	# OF VEH.	MAX	BZF	MAX	# OF VEH.	MAX	BZF	MAX	# OF VEH.	MAX
COMMANDER	POSITION DAY																
	1	2.0	0.0	1.0	0.0	2.0	0.0					1.0	0.0	1.0	0.0	1.0	0.0
	2	3.0	0.0			2.0	0.0					2.0	0.0	2.0	0.0	9.0	0.0
	3	1.0	0.0													1.0	0.0
	4	2.0	0.0													2.0	0.0
DRIVER	ALL	8.0	0.0	1.0	0.0	4.0	0.0			3.0	0.0	3.0	0.0	3.0	0.0	19.0	0.0
	DAY																
	1	3.0	0.0	1.0	0.0	2.0	0.0	1.0	0.0	1.0	0.0	4.0	0.0	2.0	0.0	13.0	0.0
	2	2.0	0.0			2.0	1.0					2.0	0.0	1.0	0.0	7.0	1.0
	3	3.0	0.0													3.0	0.0
GUNNER	ALL	11.0	0.0	1.0	0.0	4.0	1.0	1.0	0.0	6.0	0.0	6.0	0.0	3.0	0.0	26.0	1.0
	DAY																
	1									1.0	0.0	2.0	0.0	2.0	0.0	5.0	0.0
	2											3.0	0.0	1.0	0.0	4.0	0.0
	ALL							1.0	0.0	5.0	0.0	3.0	0.0	3.0	0.0	9.0	0.0
LOADER	DAY																
	1	2.0	0.0	1.0	0.0	4.0	0.4	2.0	0.0	1.0	0.0					10.0	0.4
	2	2.0	0.0			2.0	0.0					2.0	0.0	1.0	0.0	7.0	0.0
	3	3.0	0.0													3.0	0.0
	4	2.0	0.0													2.0	0.0
ALL		9.0	0.0	1.0	0.0	6.0	0.4	2.0	0.0	3.0	0.0	1.0	0.0	1.0	0.0	22.0	0.4

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
BZF		BZF		BZF		BZF		BZF		BZF		BZF	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	7.0	0.0	3.0	0.0	8.0	0.4	4.0	0.0	8.0	0.0	5.0	0.0	35.0
2	7.0	0.0	.	.	6.0	1.0	.	.	9.0	0.0	5.0	0.0	27.0
3	7.0	0.0	.	.	.	.	.	.	.	.	.	.	7.0
4	7.0	0.0	.	.	.	.	.	.	.	.	.	.	7.0
ALL	28.0	0.0	3.0	0.0	14.0	1.0	4.0	0.0	17.0	0.0	10.0	0.0	76.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL

		COMBINATION OF FORT & VEHICLE TYPE											
POSITION	DAY	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	4.0	0.0	2.0	0.0	5.0	1.2	2.0	0.0	2.0	0.0	0.0	17.0
	2	5.0	0.0	. .	. .	4.0	0.2	. .	. .	5.0	0.0	0.0	19.0
	3	3.0	0.7	. .	. .	. .	. .	. .	. .	. .	. .	. .	3.0
	4	5.0	0.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	5.0
	ALL	17.0	0.7	2.0	0.0	9.0	1.2	2.0	0.0	7.0	0.0	0.0	44.0
	DAY	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
DRIVER	1	5.0	0.0	2.0	0.0	4.0	0.0	3.0	0.0	5.0	0.0	4.0	23.0
	2	5.0	0.0	. .	. .	5.0	1.0	. .	. .	4.0	0.0	2.0	0.0
	3	3.0	0.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	3.0
	4	5.0	0.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	5.0
	ALL	18.0	0.0	2.0	0.0	9.0	1.0	3.0	0.0	9.0	0.0	6.0	47.0
	DAY	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
GUNNER	1	. .	. .	. .	. .	. .	. .	1.0	0.0	2.0	0.0	2.0	5.0
	2	. .	. .	. .	. .	. .	. .	. .	. .	3.0	0.0	1.0	0.0
	3	. .	. .	. .	. .	. .	. .	1.0	0.0	5.0	0.0	3.0	0.0
	4	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
	ALL	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
	DAY	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
LOADER	1	4.0	0.0	3.0	0.0	6.0	0.6	4.0	0.0	3.0	0.0	2.0	22.0
	2	5.0	0.0	. .	. .	4.0	0.0	. .	. .	3.0	0.0	3.0	15.0
	3	4.0	0.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	4.0
	4	4.0	0.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	4.0
	ALL	17.0	0.0	3.0	0.0	10.0	0.6	4.0	0.0	6.0	0.0	5.0	45.0
	DAY	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

75

ALL

COMBINATION OF FORT & VEHICLE TYPE													
		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		BZF		BZF		BZF		BZF		BZF		BZF	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	13.0	0.0	7.0	0.0	15.0	1.2	10.0	0.0	12.0	0.0	10.0	0.0	67.0
2	15.0	0.0			13.0	1.0			15.0	0.0	11.0	0.0	54.0
3	10.0	0.7											10.0
4	14.0	0.0											14.0
ALL	52.0	0.7	7.0	0.0	28.0	1.2	10.0	0.0	27.0	0.0	21.0	0.0	145.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		BZF		MEAN	STD	BZF		MEAN	STD	BZF		MEAN	STD	BZF		MEAN	STD	BZF		MEAN	STD	BZF					
POSITION DAY																											
COMMANDER	1	0.0	0.0	0.0		0.4	0.7	0.0	0.0	0.0		0.0				0.0				0.0		0.1	0.4				
	2	0.0	0.0			0.1	0.1					0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.1				
	3	0.3	0.5																			0.3	0.5				
	4	0.0	0.0																			0.0	0.0				
	ALL	0.1	0.2	0.0		0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3				
DRIVER																											
1	1	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0				0.0				0.0	0.0	0.0	0.0				
	2	0.0	0.0			0.0	0.0					0.0	0.0			0.0	0.0	0.0		0.0		0.0	0.0				
	4	0.0	0.0																			0.0	0.0				
	ALL	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	LOADER																										
1	1	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.1	0.2				
	2	0.0	0.0			0.0	0.0					0.0				0.0				0.0	0.0	0.0	0.0				
	3	0.0																				0.0					
	4	0.0	0.0																			0.0	0.0				
	ALL	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1				
ALL																											
1	1	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.1	0.2				
	2	0.0	0.0			0.0	0.1					0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0				
	3	0.2	0.4																			0.2	0.4				
	4	0.0	0.0																			0.0	0.0				
	ALL	0.0	0.1	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2				

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				CARSON-M109				BLNNG-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		BZF				BZF				BZF				BZF				BZF				BZF				BZF	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION	DAY																										
COMMANDER	1	0.0	0.0	0.0		0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	2	0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	3	0.0				0.0				0.0				0.0				0.0				0.0					
	4	0.0	0.0			0.0				0.0				0.0				0.0				0.0	0.0				
	ALL	0.0	0.0	0.0		0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
DRIVER	DAY																										
	1	0.0	0.0	0.0		0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	2	0.0	0.0			0.0	0.5			0.5	0.7			0.0	0.0			0.0	0.0			0.0	0.4				
	3	0.0	0.0			0.0				0.0				0.0				0.0				0.0	0.0				
	4	0.0	0.0			0.0				0.0				0.0				0.0				0.0	0.0				
	ALL	0.0	0.0	0.0		0.0	0.3			0.3	0.5			0.0	0.0			0.0	0.0			0.0	0.2				
GUNNER	DAY																										
	1									0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	2									0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	3									0.0				0.0	0.0			0.0	0.0			0.0	0.0				
	4									0.0				0.0	0.0			0.0	0.0			0.0	0.0				
	ALL									0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
LOADER	DAY																										
	1	0.0	0.0	0.0		0.1	0.2			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.1				
	2	0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	3	0.0	0.0			0.0				0.0				0.0				0.0				0.0	0.0				
	4	0.0	0.0			0.0				0.0				0.0				0.0				0.0	0.0				
	ALL	0.0	0.0	0.0		0.1	0.2			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.1				
ALL	DAY																										
	1	0.0	0.0	0.0		0.0	0.1			0.0	0.1			0.0	0.0			0.0	0.0			0.0	0.1				
	2	0.0	0.0	0.0		0.0	0.1			0.0	0.1			0.0	0.0			0.0	0.0			0.0	0.1				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		BZF	BZF	BZF	BZF	BZF	BZF	BZF					
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL													
1 DAY													
2	0.0	0.0		0.2	0.4		0.0	0.0	0.0	0.0	0.0	0.0	0.2
3	0.0	0.0										0.0	0.0
4	0.0	0.0										0.0	0.0
ALL	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL	COMBINATION OF TURT & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	MEAN	STD	BZF	ALL	MEAN	STD	BZF	ALL	MEAN	STD	BZF	ALL	MEAN	STD	BZF	ALL
POSITION DAY																
COMMANDER																
1	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.2	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
DRIVER																
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
GUNNER																
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOADER																
1	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
ALL																
1	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (U³/M³)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	BZF	BZF	BZF	BZF	BZF	BZF	BZF	BZF	BZF
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
2	0.0	0.0	.1	0.1	0.3	.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3	0.1	0.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	0.1	0.2
4	0.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	0.0	0.0
ALL	0.0	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORK & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-H60	CARSON-M60	KNOX-M1	ALL					
		DCB	DCB	DCB	DCB	DCB	DCB	DCB					
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMANDER													
1		2.0	0.0	1.0	0.0	3.0	1.2	2.0	0.7	1.0	0.0	1.4	10.0
2		2.0	0.0	.	.	2.0	0.5	.	.	3.0	7.3	3.0	0.2
3		2.0	0.0	.	.	.	.	.	.	.	.	.	2.0
4		3.0	0.2	.	.	.	.	.	.	.	.	.	3.0
ALL		9.0	0.2	1.0	0.0	5.0	1.2	2.0	0.7	4.0	7.3	4.0	1.4
DRIVER													
DAY													
1		2.0	0.9	1.0	0.0	2.0	2.9	2.0	0.1	1.0	0.0	2.0	2.3
2		3.0	0.0	.	.	3.0	0.9	.	.	2.0	1.3	1.0	0.0
4		2.0	0.0	.	.	.	.	.	.	.	.	.	2.0
ALL		7.0	0.9	1.0	0.0	5.0	2.9	2.0	0.1	3.0	1.3	3.0	2.3
LOADER													
DAY													
1		2.0	0.0	2.0	0.0	2.0	4.5	2.0	0.0	2.0	0.0	2.0	0.4
2		3.0	0.0	.	.	2.0	0.7	.	.	1.0	5.3	2.0	0.9
3		1.0	0.0	.	.	.	.	.	.	.	.	.	1.0
4		2.0	0.0	.	.	.	.	.	.	.	.	.	2.0
ALL		8.0	0.0	2.0	0.0	4.0	4.5	2.0	0.0	3.0	5.3	4.0	0.9
ALL													
DAY													
1		6.0	0.9	4.0	0.0	7.0	4.5	6.0	0.7	4.0	0.0	5.0	2.3
2		8.0	0.0	.	.	7.0	0.9	.	.	6.0	7.3	6.0	0.9
3		3.0	0.0	.	.	.	.	.	.	.	.	.	3.0
4		7.0	0.2	.	.	.	.	.	.	.	.	.	7.0
ALL		24.0	0.9	4.0	0.0	14.0	4.5	6.0	0.7	10.0	7.3	11.0	2.3

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			CARSON-M109			BENNING-M3			KNOX-M60		
		DCB			DCB			DCB			DCB		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
		ALL			DCB			ALL			DCB		
POSITION	DAY												
COMMANDER	1	2.0	0.1	1.0	0.0	2.0	42.0			1.0	1.4	1.0	1.3
	2	3.0	0.0			2.0	13.0			2.0	4.4	2.0	0.0
	3	1.0	2.5										
	4	2.0	0.1										
	ALL	8.0	2.5	1.0	0.0	4.0	42.0			3.0	4.4	3.0	1.3
DRIVER	1												
	2	3.0	0.0			2.0	11.0	1.0	0.4	4.0	6.5	2.0	0.7
	3	3.0	0.0										
	4	3.0	0.2										
	ALL	11.0	0.2	1.0	0.0	4.0	42.0	1.0	0.4	6.0	6.5	3.0	0.7
GUNNER	1												
	2												
	3												
	4												
	ALL												
LOADER	1												
	2												
	3												
	4												
	ALL												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		DCB	DCB	DCB	DCB	DCB	DCB	DCB					
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1		7.0	0.1	3.0	0.0	42.0	4.0	0.4	8.0	14.0	5.0	1.3	42.0
2		7.0	0.0	.	.	42.0	.	.	9.0	20.0	5.0	0.0	42.0
3		7.0	2.5	.	.	.	.	.	.	.	.	.	2.5
4		7.0	2.4	.	.	.	.	.	.	.	.	.	2.4
ALL		28.0	2.5	3.0	0.0	42.0	4.0	0.4	17.0	20.0	10.0	1.3	42.0

CONCENTRATION (FIRCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

	COMBINATION OF FORT & VEHICLE TYPE															
	STUE-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	DCB	# OF VEHS.	MAX	# OF VEHS.	DCB	# OF VEHS.	MAX	# OF VEHS.	DCB	# OF VEHS.	MAX	# OF VEHS.	DCB	# OF VEHS.	MAX	# OF VEHS.
POSITION DAY																
COMMANDER																
1	4.0	0.1	2.0	0.0	5.0	42.0	2.0	0.7	2.0	1.4	2.0	1.4	2.0	1.4	17.0	42.0
2	5.0	0.0	.	.	4.0	13.0	.	.	5.0	7.3	5.0	0.2	19.0	13.0		
3	3.0	2.5	.	.	.	.	.	.	.	.	.	.	.	3.0	2.5	
4	5.0	0.2	.	.	.	.	.	.	.	.	.	.	.	5.0	0.2	
ALL	17.0	2.5	2.0	0.0	9.0	42.0	2.0	0.7	7.0	7.3	7.0	1.4	44.0	42.0		
DRIVER																
DAY																
1	5.0	0.9	2.0	0.0	4.0	11.0	3.0	0.4	5.0	6.5	4.0	2.3	23.0	11.0		
2	5.0	0.0	.	.	5.0	42.0	.	.	4.0	1.3	2.0	0.0	16.0	42.0		
3	3.0	0.0	.	.	.	.	.	.	.	.	.	.	3.0	0.0		
4	5.0	0.2	.	.	.	.	.	.	.	.	.	.	5.0	0.2		
ALL	18.0	0.9	2.0	0.0	9.0	42.0	3.0	0.4	9.0	6.5	6.0	2.3	47.0	42.0		
GUNNER																
DAY																
1	.	.	.	.	.	.	.	1.0	0.3	2.0	0.0	2.0	0.3	5.0	0.3	
2	.	.	.	.	.	.	.	.	.	3.0	20.0	1.0	0.0	4.0	20.0	
ALL	.	.	.	.	.	.	.	1.0	0.3	5.0	20.0	3.0	0.3	9.0	20.0	
LOADER																
DAY																
1	4.0	0.0	3.0	0.0	6.0	12.0	4.0	0.3	3.0	14.0	2.0	0.4	22.0	14.0		
2	5.0	0.0	.	.	4.0	11.0	.	.	3.0	5.3	3.0	0.9	15.0	11.0		
3	4.0	0.0	.	.	.	.	.	.	.	.	.	.	4.0	0.0		
4	4.0	2.4	.	.	.	.	.	.	.	.	.	.	4.0	2.4		
ALL	17.0	2.4	3.0	0.0	10.0	12.0	4.0	0.3	6.0	14.0	5.0	0.9	45.0	14.0		

(CONTINUED)

CONCENTRATION (FIRCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	STILL-M109	CARSON-M109	BURNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DCB	DCB	DCB	DCB	DCB
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
DAY	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
1	13.0	0.9	7.0	0.0	15.0	42.0	10.0	0.7	12.0	14.0	10.0	2.3
2	15.0	0.0	.1	13.0	42.0	.1	.1	15.0	20.0	11.0	0.9	54.0
3	10.0	2.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	10.0
4	14.0	2.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	14.0
ALL	52.0	2.5	7.0	0.0	28.0	42.0	10.0	0.7	27.0	20.0	21.0	2.3
												42.0

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																	
COMMANDER	1	0.0	0.0	0.0	0.0	0.8	0.7	0.4	0.3	0.0	0.0	1.4	0.0	0.5	0.6		
	2	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	4.8	4.1	0.1	0.1	1.5	3.0		
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	ALL	0.0	0.1	0.0	0.0	0.6	0.5	0.4	0.3	3.6	4.1	0.4	0.7	0.8	2.0		
DRIVER DAY																	
1	0.5	0.7	0.0	0.0	0.0	1.6	1.8	0.1	0.1	0.0	0.0	1.1	1.6	0.7	1.1		
2	0.0	0.0	0.0	0.0	0.0	0.7	0.2	0.0	0.0	0.6	0.9	0.0	0.0	0.4	0.5		
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
ALL	0.1	0.4	0.0	0.0	0.0	1.1	1.1	0.1	0.1	0.4	0.8	0.8	1.3	0.5	0.8		
LOADER DAY																	
1	0.0	0.0	0.0	0.0	0.0	2.8	2.5	0.0	0.0	0.0	0.0	0.2	0.3	0.5	1.3		
2	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	5.3	0.0	0.5	0.7	0.9	1.8		
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
ALL	0.0	0.0	0.0	0.0	0.0	1.6	2.0	0.0	0.0	1.8	3.1	0.3	0.4	0.6	1.4		
ALL DAY																	
1	0.2	0.4	0.0	0.0	0.0	1.6	1.6	0.2	0.3	0.0	0.0	0.8	1.0	0.5	1.0		
2	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	3.5	3.4	0.2	0.4	1.0	2.1		
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		
ALL	0.1	0.2	0.0	0.0	0.0	1.0	1.2	0.2	0.3	2.1	3.1	0.5	0.8	0.6	1.5		

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FUEL & VEHICLE TYPE											
		STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		DCB		DCB		DCB		DCB		DCB		DCB	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	0.1	0.1	0.0		24.8	24.3			1.4		1.3	
	2	0.0	0.0			6.5	9.2			2.2	3.1	0.0	0.0
	3	2.5											
	4	0.1	0.1										
	ALL	0.3	0.9	0.0		15.6	18.4			1.9	2.2	0.4	0.8
DRIVER	DAY												
1	0.0	0.0	0.0			6.1	6.9	0.4		1.6	3.2	0.3	0.5
2	0.0	0.0				21.8	28.5			0.0	0.0	0.0	
3	0.0	0.0											
4	0.1	0.1											
ALL	0.0	0.1	0.0			14.0	19.2	0.4		1.1	2.7	0.2	0.4
GUNNER	DAY												
1								0.3		0.0	0.0	0.1	0.2
2										11.0	10.1	0.0	
ALL								0.3		6.6	9.4	0.1	0.2
LOADER	DAY												
1	0.0	0.0	0.0			5.8	6.0	0.1	0.2	14.0			
2	0.0	0.0				9.3	2.3			0.7	1.0	0.0	
3	0.0	0.0											
4	1.2	1.7											
ALL	0.3	0.8	0.0			7.0	5.1	0.1	0.2	5.1	7.7	0.0	
ALL	DAY												
1	0.0	0.1	0.0	0.0	0.0	10.6	13.5	0.2	0.2	2.7	5.1	0.5	0.5

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DCB	DCB	DCB	DCB	DCB
		DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
		0.0	0.0	12.6	15.3	4.3	7.3	0.0	0.0	4.2	9.2		
2													
3		0.4	0.9							0.4	0.9		
4		0.4	0.9							0.4	0.9		
ALL		0.2	0.6	0.0	11.5	13.8	0.2	0.2	6.2	0.2	0.4	3.0	7.7

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																
COMMANDER																
1	0.0	0.1	0.0	0.0	10.4	17.9	0.4	0.3	0.7	1.0	1.3	0.1	3.4	10.1		
2	0.0	0.0	.	.	3.4	6.4	.	.	3.7	3.6	0.0	0.1	1.7	3.6		
3	0.8	1.4	.	.	.	.	.	.	.	.	.	.	0.8	1.4		
4	0.1	0.1	.	.	.	.	.	.	.	.	.	.	0.1	0.1		
ALL	0.2	0.6	0.0	0.0	7.3	13.8	0.4	0.3	2.9	3.3	0.4	0.6	2.1	6.7		
DRIVER																
DAY																
1	0.2	0.4	0.0	0.0	3.9	4.9	0.2	0.2	1.3	2.9	0.7	1.1	1.1	2.6		
2	0.0	0.0	.	.	9.1	18.4	.	.	0.3	0.6	0.0	0.0	2.9	10.4		
3	0.0	0.0	.	.	.	.	.	.	.	.	.	.	0.0	0.0		
4	0.0	0.1	.	.	.	.	.	.	.	.	.	.	0.0	0.1		
ALL	0.1	0.2	0.0	0.0	6.8	13.6	0.2	0.2	0.9	2.2	0.5	0.9	1.6	6.3		
GUNNER																
DAY																
1	.	.	.	.	.	.	0.3	.	0.0	0.0	0.1	0.2	0.1	0.2		
2	.	.	.	.	.	.	.	.	11.0	10.1	0.0	.	8.3	9.9		
ALL	.	.	.	.	.	.	0.3	.	6.6	9.4	0.1	0.2	3.7	7.4		
LOADER																
DAY																
1	0.0	0.0	0.0	0.0	4.8	5.1	0.1	0.1	4.7	8.1	0.2	0.3	2.0	4.2		
2	0.0	0.0	.	.	4.9	5.3	.	.	2.2	2.7	0.3	0.5	1.8	3.4		
3	0.0	0.0	.	.	.	.	.	.	.	.	.	.	0.0	0.0		
4	0.6	1.2	.	.	.	.	.	.	.	.	.	.	0.6	1.2		
ALL	0.1	0.6	0.0	0.0	4.9	4.9	0.1	0.1	3.4	5.6	0.3	0.4	1.6	3.6		
ALL																
DAY																
1	0.1	0.3	0.0	0.0	6.4	10.7	0.2	0.2	1.8	4.3	0.6	0.8	1.9	5.8		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	DCB	MEAN	STD	DCB	MEAN	STD	DCB	MEAN	STD	DCB	MEAN	STD	DCB	MEAN	STD	DCB
DAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.3	0.8	0.8	0.3	0.8	0.8	0.3	0.8	0.8	0.3	0.8	0.8	0.3	0.8	0.8	0.3
3	0.2	0.6	0.6	0.2	0.6	0.6	0.2	0.6	0.6	0.2	0.6	0.6	0.2	0.6	0.6	0.2
4	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.5	0.5	0.1
ALL	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.5	0.5	0.1

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE														
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
		IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND
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		IND	IND</											

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE															
		STILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		IND				IND				IND				IND			
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION/DAY																	
COMMANDER	1	2.0	13.0	1.0	26.0	2.0	14.0	.	.	1.0	20.0	1.0	6.6	7.0	26.0		
	2	3.0	27.0	.	.	2.0	2.2	.	.	2.0	160.0	2.0	19.0	9.0	160.0		
	3	1.0	35.0	.	.	.	.	.	.	.	.	.	.	1.0	35.0		
	4	2.0	2.6	.	.	.	.	.	.	.	.	.	.	2.0	2.6		
	ALL	8.0	35.0	1.0	26.0	4.0	14.0	.	.	3.0	160.0	3.0	19.0	19.0	160.0		
DRIVER																	
1	1	3.0	16.0	1.0	13.0	2.0	10.0	1.0	5.3	4.0	530.0	2.0	6.5	13.0	530.0		
	2	2.0	16.0	.	.	2.0	6.1	.	.	2.0	370.0	1.0	10.0	7.0	370.0		
	3	3.0	12.0	.	.	.	.	.	.	.	.	.	.	3.0	12.0		
	4	3.0	13.0	.	.	.	.	.	.	.	.	.	.	3.0	13.0		
	ALL	11.0	16.0	1.0	13.0	4.0	10.0	1.0	5.3	6.0	530.0	3.0	10.0	26.0	530.0		
GUNNER																	
1	1	.	.	.	.	.	.	1.0	2.2	2.0	530.0	2.0	2.8	5.0	530.0		
	2	.	.	.	.	.	.	.	.	3.0	720.0	1.0	15.0	4.0	720.0		
	3	.	.	.	.	.	.	1.0	2.2	5.0	720.0	3.0	15.0	9.0	720.0		
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LOADER																	
1	1	2.0	18.0	1.0	20.0	4.0	2.4	2.0	12.0	1.0	72.0	.	.	10.0	72.0		
	2	2.0	14.0	.	.	2.0	1.0	.	.	2.0	350.0	1.0	9.6	7.0	350.0		
	3	3.0	14.0	.	.	.	.	.	.	.	.	.	.	3.0	14.0		
	4	2.0	5.5	.	.	.	.	.	.	.	.	.	.	2.0	5.5		
	ALL	9.0	18.0	1.0	20.0	6.0	2.4	2.0	12.0	3.0	350.0	1.0	9.6	22.0	350.0		

(CONTINUED)

C-317

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	IND	IND	IND	IND	IND	IND	IND	IND	IND
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY																
COMMANDER																
1	4.0	29.0	2.0	52.0	5.0	14.0	2.0	27.0	2.0	170.0	2.0	7.4	17.0	170.0		
2	5.0	36.0	.	4.0	13.0	.	.	.	5.0	670.0	5.0	19.0	19.0	670.0		
3	3.0	35.0	.	.	.	.	.	.	.	.	.	.	3.0	35.0		
4	5.0	19.0	.	.	.	.	.	.	.	.	.	.	5.0	19.0		
ALL	17.0	36.0	2.0	52.0	9.0	14.0	2.0	27.0	7.0	670.0	7.0	19.0	44.0	670.0		
DRIVER																
DAY																
1	5.0	34.0	2.0	110.0	4.0	10.0	3.0	17.0	5.0	530.0	4.0	18.0	23.0	530.0		
2	5.0	110.0	.	.	5.0	6.1	.	.	4.0	370.0	2.0	20.0	16.0	370.0		
3	3.0	12.0	.	.	.	.	.	.	.	.	.	.	3.0	12.0		
4	5.0	36.0	.	.	.	.	.	.	.	.	.	.	5.0	36.0		
ALL	18.0	110.0	2.0	110.0	9.0	10.0	3.0	17.0	9.0	530.0	6.0	20.0	47.0	530.0		
GUNNER																
DAY																
1	.	.	.	.	1.0	2.2	2.0	530.0	2.0	2.8	5.0	530.0				
2	.	.	.	.	.	.	3.0	720.0	1.0	15.0	4.0	720.0				
ALL	.	.	.	.	1.0	2.2	5.0	720.0	3.0	15.0	9.0	720.0				
LOADER																
DAY																
1	4.0	51.0	3.0	120.0	6.0	12.0	4.0	17.0	3.0	160.0	2.0	5.7	22.0	160.0		
2	5.0	94.0	.	.	4.0	8.7	.	.	3.0	350.0	3.0	27.0	15.0	350.0		
3	4.0	26.0	.	.	.	.	.	.	.	.	.	.	4.0	26.0		
4	4.0	35.0	.	.	.	.	.	.	.	.	.	.	4.0	35.0		
ALL	17.0	94.0	3.0	120.0	10.0	12.0	4.0	17.0	6.0	350.0	5.0	27.0	45.0	350.0		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

95

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
IND		IND		IND		IND		IND		IND		IND	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	13.0	51.0	7.0	120.0	15.0	14.0	10.0	27.0	12.0	530.0	10.0	18.0	67.0
2	15.0	110.0	.	.	13.0	13.0	.	.	15.0	720.0	11.0	27.0	54.0
3	10.0	35.0	.	.	.	.	.	.	.	.	.	10.0	35.0
4	14.0	36.0	.	.	.	.	.	.	.	.	.	14.0	36.0
ALL	52.0	110.0	7.0	120.0	28.0	14.0	10.0	27.0	27.0	720.0	21.0	27.0	145.0

CONCENTRATION (P/P) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
	POSITION DAY	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		MEAN	STD	IND	IND	MEAN	STD	IND	IND	MEAN	STD	IND	IND	MEAN	STD	IND	IND
COMMANDER	1	24.5	6.4	52.0	3.0	1.4	15.4	16.3	170.0	7.4	31.8	51.2					
	2	20.1	22.5	8.8	6.0	264.7	351.0	10.3	5.6	88.3	205.6						
	3	16.5	2.1	16.5	2.1	16.5	2.1	16.5	2.1	16.5	2.1						
	4	6.8	10.6	6.8	10.6	6.8	10.6	6.8	10.6	6.8	10.6						
	ALL	15.8	12.3	52.0	5.3	4.5	15.4	16.3	241.0	290.5	9.6	4.8	50.2	133.9			
DRIVER	1	23.0	15.6	110.0	3.8	0.6	8.7	11.7	0.0	9.0	12.7	19.9	33.5				
	2	71.8	57.7	2.5	0.6	189.0	213.5	20.0	69.0	110.0							
	4	25.5	14.8	25.5	14.8	25.5	14.8	25.5	14.8	25.5	14.8						
	ALL	44.6	42.8	110.0	3.0	0.9	8.7	11.7	126.0	186.3	12.7	11.0	41.5	77.1			
	DAY																
LOADER	1	37.5	19.1	120.0	0.0	6.9	7.1	9.2	11.0	150.0	14.1	3.4	54.5	61.8			
	2	61.7	53.4	7.5	1.6	94.0	24.0	4.2	42.8	42.4							
	3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0							
	4	27.0	11.3	27.0	11.3	27.0	11.3	27.0	11.3	27.0	11.3						
	ALL	42.5	34.0	120.0	0.0	7.2	4.2	9.2	11.0	131.3	33.8	13.7	46.8	50.8			
ALL	1	28.3	13.4	100.5	32.7	4.3	3.5	11.1	10.8	117.5	79.3	6.5	7.1	36.6	51.6		
	2	55.1	48.2	5.7	4.0	211.0	251.1	16.5	8.0	68.4	138.6						
	3	19.7	5.7	19.7	5.7	19.7	5.7	19.7	5.7	19.7	5.7						
	4	17.9	14.3	17.9	14.3	17.9	14.3	17.9	14.3	17.9	14.3						
	ALL	33.1	32.7	100.5	32.7	5.0	3.7	11.1	10.8	173.6	198.7	11.9	8.9	46.4	94.5		

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																									
		SITL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD		
POSITION DAY		IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD		
COMMANDER	1	7.1	8.3	26.0				9.3	6.6							20.0				6.6					12.2	8.8	
	2	9.0	15.6					1.4	1.1							89.5	99.7	11.0	11.3	25.7	51.4						
	3	35.0																						35.0			
	4	1.6	1.5																					1.6	1.5		
	ALL	9.9	13.9	26.0				5.4	6.0							66.3	81.1	9.5	8.4	18.7	35.9						
DRIVER	1	9.8	6.9	13.0				6.3	5.2							385.0	120.1	3.8						123.7	191.1		
	2	8.0	11.3					6.0	0.1							270.0	141.4	10.0						82.6	140.5		
	3	7.6	3.8																					7.6	3.8		
	4	5.9	6.3																					5.9	6.3		
	ALL	7.8	6.0	13.0				6.2	3.0							346.7	127.2	5.9	4.5	85.6	156.6						
GUNNER	1													2.2		330.0	282.8	2.0	1.1	133.2	228.6						
	2															276.0	384.7	15.0						210.8	340.1		
	3																										
	4																										
	ALL													2.2		297.6	308.0	6.3	7.5	167.7	266.8						
LOADER	1	10.4	10.7	20.0				1.2	1.0					6.3	8.1	72.0								13.0	22.0		
	2	7.0	9.9					0.5	0.7							182.0	237.6	9.6						55.5	130.0		
	3	9.2	4.6																					9.2	4.6		
	4	4.5	1.3																					4.5	1.3		
	ALL	8.0	6.1	20.0				1.0	0.9					6.3	8.1	145.3	179.6	9.6						25.3	74.1		
ALL	1	9.2	7.0	19.7	6.5	4.5	4.9	5.0	5.1	286.5	201.0	3.6	2.7	71.1	150.0												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	IND	IND	IND	IND	IND	IND	IND	IND	IND
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	8.1	10.9	2.7	2.7	212.3	232.7	11.3	6.1	75.6	162.5						
2	12.2	10.7														
3	4.3	4.2														
4																
ALL	8.5	8.7	19.7	6.5	3.7	4.1	5.0	5.1	247.2	215.0	7.5	6.0	61.1	141.5		

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF TANK & VEHICLE TYPE																	
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
	IND	SID	IND	SID	IND	SID	IND	SID	IND	SID	IND	SID	IND	SID	IND	SID	IND	SID
POSITION/DAY	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID
COMMANDER																		
1	15.8	11.7	39.0	18.4	5.5	4.9	15.4	16.3	95.0	106.1	7.0	0.6	23.7	40.0				
2	13.4	16.9	.	.	5.1	5.5	.	.	194.6	270.7	10.6	6.9	58.6	152.8				
3	22.7	10.8	.	.	.	.	.	.	.	.	.	.	22.7	10.8				
4	4.7	8.0	.	.	.	.	.	.	.	.	.	.	4.7	8.0				
ALL	13.0	13.0	39.0	18.4	5.3	4.8	15.4	16.3	166.1	230.4	9.6	5.9	36.6	103.9				
DRIVER																		
1	15.1	11.7	61.5	68.6	5.1	3.3	7.6	8.5	308.0	201.2	6.4	8.2	78.6	152.1				
2	46.3	54.0	.	.	3.9	2.0	.	.	229.5	155.1	15.0	7.1	74.9	120.0				
3	7.6	3.8	.	.	.	.	.	.	.	.	.	.	7.6	3.8				
4	13.7	13.8	.	.	.	.	.	.	.	.	.	.	13.7	13.8				
ALL	22.1	31.8	61.5	68.6	4.4	2.6	7.6	8.5	273.1	176.0	9.3	8.4	65.9	128.1				
GUNNER																		
1	.	.	.	.	.	.	2.2	.	330.0	282.8	2.0	1.1	133.2	228.6				
2	.	.	.	.	.	.	.	.	276.0	384.7	15.0	.	210.8	340.1				
ALL	.	.	.	.	.	.	2.2	.	297.6	308.0	6.3	7.5	167.7	266.8				
LOADER																		
1	24.0	20.1	86.7	57.7	3.1	4.4	7.7	8.1	124.0	46.1	3.4	3.2	35.7	51.5				
2	39.8	48.5	.	.	4.0	4.2	.	.	152.7	175.5	19.2	8.8	48.7	90.5				
3	13.4	9.2	.	.	.	.	.	.	.	.	.	.	13.4	9.2				
4	15.8	14.5	.	.	.	.	.	.	.	.	.	.	15.8	14.5				
ALL	24.2	29.0	86.7	57.7	3.5	4.1	7.7	8.1	138.3	115.8	12.9	10.8	36.3	63.5				
ALL																		
1	18.0	14.1	65.9	49.1	4.4	4.2	8.7	9.1	230.2	185.4	5.0	5.3	54.6	114.7				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

100

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BLNNG-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	IND	IND	IND	IND	IND	IND	IND	IND	IND
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	33.2	42.5	.	4.3	3.7	.	211.8	231.2	14.1	7.3	72.0	149.6	.	.	.	.
2	14.4	9.8	.	.	.	.	.	.	.	.	14.4	9.8	.	.	.	.
3	11.1	12.4	.	.	.	.	.	.	.	.	11.1	12.4	.	.	.	.
4	19.8	26.0	65.9	49.1	4.4	3.9	8.7	9.1	220.0	208.4	9.8	7.8	54.1	121.2	.	.
ALL	19.8	26.0	65.9	49.1	4.4	3.9	8.7	9.1	220.0	208.4	9.8	7.8	54.1	121.2	.	.

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

101

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		MNAP		MNAP		MNAP		MNAP		MNAP		MNAP	
POSITION	DAY	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
COMMANDER	1	2.0	14.0	1.0	130.0	3.0	61.0	2.0	25.0	1.0	160.0	1.0	12.0
	2	2.0	27.0	.1	.1	2.0	89.0	.1	.1	3.0	120.0	3.0	13.0
	3	2.0	45.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	4	3.0	11.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	ALL	9.0	45.0	1.0	130.0	5.0	89.0	2.0	25.0	4.0	160.0	4.0	13.0
DRIVER	1	2.0	15.0	1.0	33.0	2.0	39.0	2.0	5.2	1.0	0.0	2.0	24.0
	2	3.0	45.0	.1	.1	3.0	51.0	.1	.1	2.0	140.0	1.0	13.0
	4	2.0	12.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	ALL	7.0	45.0	1.0	33.0	5.0	51.0	2.0	5.2	3.0	140.0	3.0	24.0
	DAY												
LOADER	1	2.0	21.0	2.0	21.0	2.0	100.0	2.0	18.0	2.0	120.0	2.0	13.0
	2	3.0	28.0	.1	.1	2.0	51.0	.1	.1	1.0	110.0	2.0	24.0
	3	1.0	9.9	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0
	4	2.0	22.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	ALL	8.0	28.0	2.0	21.0	4.0	100.0	2.0	18.0	3.0	120.0	4.0	24.0
ALL	1	6.0	21.0	4.0	130.0	7.0	100.0	6.0	25.0	4.0	160.0	5.0	24.0
	2	8.0	45.0	.1	.1	7.0	89.0	.1	.1	6.0	140.0	6.0	24.0
	3	3.0	45.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	7.0	22.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0
	ALL	24.0	45.0	4.0	130.0	14.0	100.0	6.0	25.0	10.0	160.0	11.0	24.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORI & VEHICLE TYPE																												
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
	MNAP	# OF VEH.	MAX	# OF VEH.	MNAP	# OF VEH.	MAX	# OF VEH.	MNAP	# OF VEH.	MAX	# OF VEH.	MNAP	# OF VEH.	MAX	# OF VEH.	MNAP	# OF VEH.	MAX	# OF VEH.	MNAP	# OF VEH.	MAX	# OF VEH.				
POSITION	DAY																											
COMMANDER	1	2.0	17.0	1.0	25.0	2.0	140.0	.		1.0	25.0	1.0	11.0	7.0	140.0													
	2	3.0	16.0	.		2.0	24.0	.		2.0	200.0	2.0	19.0	9.0	200.0													
	3	1.0	13.0	.		.	.	.		.	.	.	.	1.0	13.0									
	4	2.0	5.6	.		.	.	.		.	.	.	.	2.0	5.6									
	ALL	8.0	17.0	1.0	25.0	4.0	140.0	.		3.0	200.0	3.0	19.0	19.0	200.0													
DRIVER	DAY																											
	1	3.0	20.0	1.0	8.5	2.0	110.0	1.0	71.0	4.0	190.0	2.0	11.0	13.0	190.0													
	2	2.0	20.0	.		2.0	51.0	.		2.0	220.0	1.0	9.2	7.0	220.0													
	3	3.0	21.0	.		.	.	.		.	.	.	.	3.0	21.0									
	4	3.0	15.0	.		.	.	.		.	.	.	.	3.0	15.0									
GUNNER	ALL	11.0	21.0	1.0	8.5	4.0	110.0	1.0	71.0	6.0	220.0	3.0	11.0	26.0	220.0													
	DAY																											
	1	.	.	.		.	.	1.0	27.0	2.0	210.0	2.0	13.0	5.0	210.0									
	2	.	.	.		.	.	.		3.0	110.0	1.0	30.0	4.0	110.0									
	ALL	.	.	.		.	.	1.0	27.0	5.0	210.0	3.0	30.0	9.0	210.0									
LOADER	DAY																											
	1	2.0	23.0	1.0	20.0	4.0	48.0	2.0	14.0	1.0	51.0	.	10.0	51.0														
	2	2.0	0.0	.		2.0	14.0	.		2.0	140.0	1.0	11.0	7.0	140.0													
	3	3.0	28.0	.		.	.	.		.	.	.	.	3.0	28.0									
	4	2.0	5.7	.		.	.	.		.	.	.	.	2.0	5.7									
ALL	9.0	28.0	1.0	20.0	6.0	48.0	2.0	14.0	3.0	140.0	1.0	11.0	22.0	140.0														

(CONTINUED)

SAMPLE TYPE BREATHING ZONE													
COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
MNAP		MNAP		MNAP		MNAP		MNAP		MNAP		MNAP	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	7.0	23.0	3.0	25.0	8.0	140.0	4.0	71.0	8.0	210.0	5.0	13.0	35.0
2	7.0	20.0	.	.	6.0	51.0	.	.	9.0	220.0	5.0	30.0	27.0
3	7.0	28.0	.	.	.	.	.	.	.	.	.	.	7.0
4	7.0	15.0	.	.	.	.	.	.	.	.	.	.	7.0
ALL	28.0	28.0	3.0	25.0	14.0	140.0	4.0	71.0	17.0	220.0	10.0	30.0	76.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

104

ALL

COMBINATION OF FORT & VEHICLE TYPE													
POSITION	DAY	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	4.0	17.0	2.0	130.0	5.0	140.0	2.0	25.0	2.0	160.0	2.0	12.0
	2	5.0	27.0	. .	. .	4.0	89.0	. .	. .	5.0	200.0	5.0	19.0
	3	3.0	45.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	3.0
	4	5.0	11.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	5.0
	ALL	17.0	45.0	2.0	130.0	9.0	140.0	2.0	25.0	7.0	200.0	7.0	19.0
DRIVER	1	5.0	20.0	2.0	33.0	4.0	110.0	3.0	71.0	5.0	190.0	4.0	24.0
	2	5.0	45.0	. .	. .	5.0	51.0	. .	. .	4.0	220.0	2.0	13.0
	3	3.0	21.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	3.0
	4	5.0	15.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	5.0
	ALL	18.0	45.0	2.0	33.0	9.0	110.0	3.0	71.0	9.0	220.0	6.0	24.0
GUNNER	1	. .	. .	. .	. .	. .	. .	1.0	27.0	2.0	210.0	2.0	13.0
	2	. .	. .	. .	. .	. .	. .	. .	. .	3.0	110.0	1.0	30.0
	3	. .	. .	. .	. .	. .	. .	1.0	27.0	5.0	210.0	3.0	30.0
	4	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	9.0
	ALL	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	210.0
LOADER	1	4.0	23.0	3.0	21.0	6.0	100.0	4.0	18.0	3.0	120.0	2.0	13.0
	2	5.0	28.0	. .	. .	4.0	51.0	. .	. .	3.0	140.0	3.0	24.0
	3	4.0	28.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	4.0
	4	4.0	22.0	. .	. .	. .	. .	. .	. .	. .	. .	. .	4.0
	ALL	17.0	28.0	3.0	21.0	10.0	100.0	4.0	18.0	6.0	140.0	5.0	24.0

(CONTINUED)

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
MNAP		MNAP		MNAP		MNAP		MNAP		MNAP		MNAP	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	13.0	23.0	7.0	130.0	15.0	140.0	10.0	71.0	12.0	210.0	10.0	24.0	67.0
2	15.0	45.0	.	13.0	89.0	.	15.0	220.0	11.0	30.0	54.0	220.0	
3	10.0	45.0	.	.	.	.	.	.	.	.	10.0	45.0	
4	14.0	22.0	.	.	.	.	.	.	.	.	14.0	22.0	
ALL	52.0	45.0	7.0	130.0	28.0	140.0	10.0	71.0	27.0	220.0	21.0	30.0	145.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																	
COMMANDER	1	7.0	9.9	130.0		28.7	30.7	17.0	11.3	160.0		12.0		43.6	56.6		
	2	13.5	19.1			62.0	38.2			87.0	41.1	10.8	3.0	44.4	42.9		
	3	30.0	21.2											30.0	21.2		
	4	8.5	2.9											8.5	2.9		
	ALL	14.0	14.3	130.0		42.0	34.2	17.0	11.3	105.3	49.6	11.1	2.5	38.6	45.4		
DRIVER																	
	1	9.7	7.5	33.0		28.0	15.6	2.6	3.7	0.0		12.0	17.0	13.8	14.3		
	2	27.3	24.0			34.7	14.2			90.0	70.7	13.0		42.1	40.0		
	4	12.0	0.0											12.0	0.0		
	ALL	17.9	16.7	33.0		32.0	13.2	2.6	3.7	60.0	72.1	12.3	12.0	25.7	30.7		
LOADER																	
	1	20.0	1.4	20.0	1.4	59.5	57.3	11.0	9.8	97.0	32.5	10.8	3.1	36.4	38.8		
	2	14.3	14.0			40.0	15.6			110.0		21.5	3.5	34.5	33.7		
	3	9.9												9.9			
	4	18.0	5.7											18.0	5.7		
	ALL	16.1	8.6	20.0	1.4	49.8	36.1	11.0	9.8	101.3	24.2	16.1	6.7	33.0	34.2		
ALL																	
	1	12.2	8.3	50.8	53.2	37.3	33.6	10.2	9.5	88.5	68.7	11.5	8.7	31.6	41.0		
	2	19.0	17.9			44.0	22.5			91.8	41.9	14.7	5.9	40.7	38.1		
	3	23.3	19.0											23.3	19.0		
	4	12.2	5.1											12.2	5.1		
	ALL	15.9	13.0	50.8	53.2	40.6	27.7	10.2	9.5	90.5	50.5	13.3	7.1	32.8	37.5		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		MNAF		MNAF		MNAF		MNAF		MNAF		MNAF		MNAF			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION DAY																	
COMMANDER	1	10.7	8.9	25.0		96.0	62.2			25.0		11.0		39.2	47.0		
	2	5.3	9.2			13.6	14.6			112.5	123.7	11.3	11.0	32.3	63.7		
	3	13.0												13.0			
	4	3.3	3.2											3.3	3.2		
	ALL	7.1	7.2	25.0		54.8	60.2			83.3	101.0	11.2	7.8	30.8	51.7		
DRIVER DAY																	
	1	14.7	4.7	8.5		69.0	58.0	71.0		147.5	34.0	8.1	4.0	66.8	65.5		
	2	10.0	14.1			46.0	7.1			195.0	35.4	9.2		73.0	86.3		
	3	13.7	6.4											13.7	6.4		
	4	10.4	4.2											10.4	4.2		
	ALL	12.4	6.4	8.5		57.5	36.2	71.0		163.3	39.3	8.5	2.9	55.8	66.8		
GUNNER DAY																	
	1							27.0		170.0	56.6	7.8	7.4	76.5	90.3		
	2									96.3	23.7	30.0		79.8	38.4		
	ALL							27.0		129.8	52.0	15.2	13.9	77.9	68.1		
	DAY																
LOADER DAY																	
	1	18.0	7.1	20.0		23.5	19.6	9.9	5.8	51.0				22.1	16.4		
	2	0.0	0.0			9.8	5.9			80.0	84.9	11.0		27.2	50.3		
	3	16.3	11.1											16.3	11.1		
	4	4.3	1.9											4.3	1.9		
	ALL	10.4	10.1	20.0		18.9	17.0	9.9	5.8	70.3	62.3	11.0		21.3	29.9		
ALL DAY																	
1		14.5	6.2	17.8	8.5	53.0	47.9	29.4	29.0	125.8	63.5	8.6	4.4	49.9	58.3		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
		MNAP		MNAP		MNAP		MNAP		MNAP		MNAP		MNAP					
MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD	
DAY																			
2		5.1		8.9		23.1		19.4		118.2		71.7		14.5		10.3		48.6	
3		14.7		7.5														14.7	
4		6.7		4.5														6.7	
ALL		10.2		7.9		17.8		8.5		40.2		29.4		121.8		65.9		42.2	

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

109

ALL

		COMBINATION OF FORT & VEHICLE TYPE																											
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		MNAF				MNAF				MNAF				MNAF				MNAF				MNAF				MNAF			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION	DAY																												
COMMANDER	1	8.8	8.0	77.5	74.2	55.6	52.9	17.0	11.3	92.5	95.5	11.5	0.7	41.8	51.3														
	2	8.6	12.4	.	.	37.8	36.6	.	.	97.2	69.8	11.0	5.9	38.7	52.6														
	3	24.3	17.9	.	.	.	.	.	.	.	.	.	.	.	24.3	17.9									
	4	6.4	3.8	.	.	.	.	.	.	.	.	.	.	.	6.4	3.8									
	ALL	10.8	11.7	77.5	74.2	47.7	44.6	17.0	11.3	95.9	69.1	11.1	4.8	35.2	47.8														
DRIVER	DAY																												
	1	12.7	5.7	20.8	17.3	48.5	42.0	25.4	39.6	118.0	72.2	10.1	10.3	43.7	56.1														
	2	20.4	20.7	.	.	39.2	12.3	.	.	142.5	75.9	11.1	2.7	55.6	63.9														
	3	13.7	6.4	.	.	.	.	.	.	.	.	.	.	13.7	6.4										
	4	11.0	3.1	.	.	.	.	.	.	.	.	.	.	11.0	3.1										
GUNNER	ALL	14.5	11.4	20.8	17.3	43.3	27.6	25.4	39.6	128.9	70.3	10.4	8.1	42.4	55.3														
	DAY																												
	1	.	.	.	.	.	.	27.0	.	170.0	56.6	7.8	7.4	76.5	90.3										
	2	.	.	.	.	.	.	.	.	96.3	23.7	30.0	.	79.8	38.4										
	ALL	.	.	.	.	.	.	27.0	.	125.8	52.0	15.2	13.9	77.9	68.1										
LOADER	DAY																												
	1	19.0	4.3	20.0	1.0	35.5	35.1	10.5	6.6	81.7	35.1	10.8	3.1	29.9	30.9														
	2	8.6	12.6	.	.	24.9	19.9	.	.	90.0	62.4	18.0	6.6	31.1	40.8														
	3	14.7	9.6	.	.	.	.	.	.	.	.	.	.	14.7	9.6										
	4	11.2	8.6	.	.	.	.	.	.	.	.	.	.	11.2	8.6										
ALL	ALL	13.1	9.5	20.0	1.0	31.3	29.1	10.5	6.6	85.8	45.5	15.1	6.3	27.3	32.3														
	DAY																												
	1	13.4	7.0	36.6	41.8	45.7	41.2	17.9	20.7	113.3	64.7	10.0	6.7	41.1	51.2														

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY																
2	12.5	15.7		34.4	23.0				107.7	61.2	14.6	7.7	44.6	53.0		
3	17.3	11.6													17.3	11.6
4	9.4	5.5													9.4	5.5
ALL	12.8	10.8	36.6	41.8	40.4	33.9	17.9	20.7	110.2	61.6	12.5	7.4	37.7	48.8		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE																							
		STILL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL					
		IMN			IMN			IMN			IMN			IMN			IMN			IMN					
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX				
POSITION DAY																									
COMMANDER	1	2.0	16.0	1.0	6.7	3.0	0.0	2.0	14.0	1.0	2.7	1.0	14.0	10.0	16.0										
	2	2.0	5.9	.	2.0	0.2	.	3.0	360.0	3.0	8.6	10.0	360.0												
	3	2.0	39.0	.	.	.	.	.	.	.	.	2.0	39.0								
	4	3.0	7.8	.	.	.	.	.	.	.	.	3.0	7.8								
	ALL	9.0	39.0	1.0	6.7	5.0	0.2	2.0	14.0	4.0	360.0	4.0	14.0	25.0	360.0										
DRIVER DAY																									
	1	2.0	24.0	1.0	54.0	2.0	0.0	2.0	59.0	1.0	0.0	2.0	26.0	10.0	59.0										
	2	3.0	47.0	.	.	3.0	0.0	.	.	2.0	130.0	1.0	33.0	9.0	130.0										
	4	2.0	19.0	.	.	.	.	.	.	.	.	.	2.0	19.0							
	ALL	7.0	47.0	1.0	54.0	5.0	0.0	2.0	59.0	3.0	130.0	3.0	33.0	21.0	130.0										
	LOADER DAY																								
	1	2.0	52.0	2.0	64.0	2.0	0.0	2.0	6.2	2.0	130.0	2.0	5.4	12.0	130.0										
	2	3.0	62.0	.	.	2.0	0.0	.	.	1.0	0.0	2.0	46.0	8.0	62.0										
	3	1.0	18.0	.	.	.	.	.	.	.	.	.	1.0	18.0							
	4	2.0	16.0	.	.	.	.	.	.	.	.	.	2.0	16.0							
	ALL	8.0	62.0	2.0	64.0	4.0	0.0	2.0	6.2	3.0	130.0	4.0	46.0	23.0	130.0										
ALL DAY																									
	1	6.0	52.0	4.0	64.0	7.0	0.0	6.0	59.0	4.0	130.0	5.0	26.0	32.0	130.0										
	2	8.0	62.0	.	.	7.0	0.2	.	.	6.0	360.0	6.0	46.0	27.0	360.0										
	3	3.0	39.0	.	.	.	.	.	.	.	.	.	3.0	39.0							
	4	7.0	19.0	.	.	.	.	.	.	.	.	.	7.0	19.0							
	ALL	24.0	62.0	4.0	64.0	14.0	0.2	6.0	59.0	10.0	360.0	11.0	46.0	69.0	360.0										

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE																	
		CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1	
		TMN				TMN				TMN				TMN				TMN	
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION/DAY																			
COMMANDER	1	2.0	8.6	1.0	1.7	2.0	0.0	.	.	1.0	0.0	1.0	2.2	7.0	8.6				
	2	3.0	0.0	.	.	2.0	0.0	.	.	2.0	24.0	2.0	20.0	9.0	24.0				
	3	1.0	2.0	.	.	.	.	.	.	.	.	.	.	1.0	2.0				
	4	2.0	0.5	.	.	.	.	.	.	.	.	.	.	2.0	0.5				
	ALL	8.0	8.6	1.0	1.7	4.0	0.0	.	.	3.0	24.0	3.0	20.0	19.0	24.0				
DRIVER																			
1	1	3.0	16.0	1.0	0.0	2.0	0.0	1.0	42.0	4.0	460.0	2.0	1.8	13.0	460.0				
	2	2.0	0.0	.	.	2.0	0.0	.	.	2.0	100.0	1.0	1.5	7.0	100.0				
	3	3.0	15.0	.	.	.	.	.	.	.	.	.	.	3.0	15.0				
	4	3.0	6.4	.	.	.	.	.	.	.	.	.	.	3.0	6.4				
	ALL	11.0	16.0	1.0	0.0	4.0	0.0	1.0	42.0	6.0	460.0	3.0	1.8	26.0	460.0				
GUNNER																			
1	1	.	.	.	.	.	.	1.0	15.0	2.0	430.0	2.0	1.2	5.0	430.0				
	2	.	.	.	.	.	.	.	.	3.0	290.0	1.0	14.0	4.0	290.0				
	3	.	.	.	.	.	.	1.0	15.0	5.0	430.0	3.0	14.0	9.0	430.0				
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	11.0	16.0	1.0	0.0	4.0	0.0	1.0	42.0	6.0	460.0	3.0	1.8	26.0	460.0				
LOADER																			
1	1	2.0	18.0	1.6	1.5	4.0	0.0	2.0	8.1	1.0	0.0	.	.	10.0	18.0				
	2	2.0	0.0	.	.	2.0	0.0	.	.	2.0	89.0	1.0	4.3	7.0	89.0				
	3	3.0	9.1	.	.	.	.	.	.	.	.	.	.	3.0	9.1				
	4	2.0	0.3	.	.	.	.	.	.	.	.	.	.	2.0	0.3				
	ALL	9.0	18.0	1.0	1.5	6.0	0.0	2.0	8.1	3.0	89.0	1.0	4.3	22.0	89.0				

(CONTINUED)

COMBINATION OF FORI & VEHICLE TYPE

COMBINATION OF FORT & VEHICLE TYPE														
	STILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
	TMN	TMN	TMN	TMN	TMN	TMN	TMN							
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.							
	MAX	MAX	MAX	MAX	MAX	MAX	MAX							
ALL	7.0	18.0	3.0	1.7	8.0	0.0	4.0	42.0	8.0	460.0	5.0	2.2	35.0	460.0
1	7.0	0.0	.1	.1	6.0	0.0	.1	.1	9.0	290.0	5.0	20.0	27.0	290.0
2	7.0	15.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0	15.0
3	7.0	6.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0	6.4
4	28.0	18.0	3.0	1.7	14.0	0.0	4.0	42.0	17.0	460.0	10.0	20.0	76.0	460.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL

COMBINATION OF FORT & VEHICLE TYPE																						

(CONTINUED)

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CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD
POSITION DAY		TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD
COMMANDER	1	8.0	11.3	6.7	.	0.0	0.0	11.6	3.4	2.7	.	14.0	.	6.3	6.6		
	2	2.9	4.2	.	.	0.1	0.1	.	.	152.7	179.7	7.6	0.9	48.7	111.1		
	3	26.0	18.4	.	.	.	.	.	.	.	.	.	.	26.0	18.4		
	4	3.0	4.1	.	.	.	.	.	.	.	.	.	.	3.0	4.1		
	ALL	9.2	12.6	6.7	.	0.0	0.1	11.6	3.4	115.2	164.8	9.2	3.3	24.4	71.4		
DRIVER	1	24.0	0.0	54.0	.	0.0	0.0	29.7	41.4	0.0	.	13.0	18.4	18.7	22.9		
	2	20.3	24.1	.	.	0.0	0.0	.	.	85.5	62.9	33.0	.	29.4	42.2		
	4	13.5	7.7	.	.	.	.	.	.	.	.	.	.	13.5	7.7		
	ALL	19.4	14.9	54.0	.	0.0	0.0	29.7	41.4	57.0	66.5	19.7	17.4	22.8	31.4		
LOADER	1	48.5	4.9	63.5	0.7	0.0	0.0	4.8	2.0	65.0	91.9	4.3	1.5	31.0	40.7		
	2	40.0	34.7	.	.	0.0	0.0	.	.	0.0	.	36.5	13.4	24.1	27.8		
	3	18.0	.	.	.	.	.	.	.	.	.	.	.	18.0	.		
	4	13.5	3.5	.	.	.	.	.	.	.	.	.	.	13.5	3.5		
	ALL	32.8	24.1	63.5	0.7	0.0	0.0	4.8	2.0	43.3	75.1	20.4	20.1	26.5	33.3		
ALL	1	26.8	19.1	46.9	21.2	0.0	0.0	15.4	21.9	33.2	64.6	9.7	10.5	19.4	29.3		
	2	23.4	27.5	.	.	0.0	0.1	.	.	104.8	132.0	21.5	16.4	35.0	71.7		
	3	23.3	13.8	.	.	.	.	.	.	.	.	.	.	23.3	13.8		
	4	9.0	7.0	.	.	.	.	.	.	.	.	.	.	9.0	7.0		
	ALL	20.0	19.8	46.9	21.2	0.0	0.1	15.4	21.9	76.2	111.6	16.1	14.7	24.6	49.5		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

117

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		TMN	TMN	TMN	TMN	TMN	TMN	TMN					
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER	1	4.7	5.6	1.7	.	0.0	0.0	.	0.0	.	2.2	.	1.9
	2	0.0	0.0	.	.	0.0	0.0	.	12.0	17.0	10.6	13.2	5.0
	3	2.0	.	.	.	.	.	.	.	.	.	.	2.0
	4	0.3	0.4	.	.	.	.	.	.	.	.	.	0.3
	ALL	1.5	3.0	1.7	.	0.0	0.0	.	8.0	13.9	7.8	10.5	3.2
DRIVER	1	6.1	8.6	0.0	.	0.0	0.0	42.0	.	178.7	217.2	1.6	0.2
	2	0.0	0.0	.	.	0.0	0.0	.	.	78.5	30.4	1.5	.
	3	7.5	6.8	.	.	.	.	.	.	.	.	.	7.5
	4	2.9	3.1	.	.	.	.	.	.	.	.	.	2.9
	ALL	4.5	5.8	0.0	.	0.0	0.0	42.0	.	145.3	176.5	1.6	0.2
GUNNER	1	.	.	.	.	.	.	15.0	.	215.4	303.4	1.1	0.1
	2	.	.	.	.	.	.	.	.	106.0	159.5	14.0	.
	3	.	.	.	.	.	.	15.0	.	149.8	198.3	5.4	7.4
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	15.0	.	149.8	198.3	5.4	7.4
LOADER	1	9.5	12.0	1.5	.	0.0	0.0	5.1	4.2	0.0	.	.	3.1
	2	0.0	0.0	.	.	0.0	0.0	.	.	44.5	62.9	4.3	.
	3	3.6	4.8	.	.	.	.	.	.	.	.	.	3.6
	4	0.3	0.0	.	.	.	.	.	.	.	.	.	0.3
	ALL	3.4	6.2	1.5	.	0.0	0.0	5.1	4.2	29.7	51.4	4.3	.
ALL	DAY	.	.	.	.	.	.	.	.	.	.	.	.
	1	6.7	7.6	1.1	0.9	0.0	0.0	16.8	17.6	143.2	203.6	1.6	0.5

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1	
		TMN				TMN				TMN				TMN				TMN	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY																		
	2	0.0	0.0			0.0	0.0							65.3	92.1	8.2	8.4	23.3	59.6
	3	5.1	5.4															5.1	5.4
	4	1.4	2.3															1.4	2.3
	ALL	3.3	5.3	1.1	0.9	0.0	0.0	0.0	16.8	17.6	102.0	154.9	4.9	6.6	25.6	82.8			

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

119

ALL

		COMBINATION OF FORT & VEHICLE TYPE																ALL	
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-MG0				KNOX-M1	
		TMN				TMN				TMN				TMN				TMN	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																		
COMMANDER	1	6.3	7.5	4.2	3.5	0.0	0.0	0.0	11.6	3.4	1.3	1.9	8.1	8.3	4.5	5.7			
	2	1.2	2.6	.	.	0.1	0.1	.	.	96.4	148.9	8.8	6.8	28.0	81.9				
	3	18.0	19.0	.	.	.	.	.	.	.	.	.	.	.	18.0	19.0			
	4	1.9	3.3	.	.	.	.	.	.	.	.	.	.	.	1.9	3.3			
ALL		5.6	10.0	4.2	3.5	0.0	0.1	11.6	3.4	69.2	130.1	8.6	6.6	15.3	54.6				
DRIVER	DAY																		
	1	13.3	11.5	27.0	38.2	0.0	0.0	0.0	33.8	30.1	143.0	204.4	7.3	12.5	42.0	104.2			
	2	12.2	20.4	.	.	0.0	0.0	.	.	82.0	40.6	17.3	22.3	26.5	40.1				
	3	7.5	6.8	.	.	.	.	.	.	.	.	.	.	7.5	6.8				
	4	7.1	7.3	.	.	.	.	.	.	.	.	.	.	7.1	7.3				
ALL		10.3	12.5	27.0	38.2	0.0	0.0	0.0	33.8	30.1	115.9	150.1	10.6	14.8	30.8	76.8			
GUNNER	DAY																		
	1	.	.	.	.	.	.	.	15.0	.	215.4	303.4	1.1	0.1	89.6	190.4			
	2	.	.	.	.	.	.	.	.	.	106.0	159.5	14.0	.	83.0	138.1			
ALL		.	.	.	.	.	.	.	15.0	.	149.8	198.3	5.4	7.4	86.7	159.0			
LOADER	DAY																		
	1	29.0	23.7	42.8	35.8	0.0	0.0	0.0	5.0	2.7	43.3	75.1	4.3	1.5	18.3	32.9			
	2	24.0	32.9	.	.	0.0	0.0	.	.	29.7	51.4	25.8	20.9	19.1	29.9				
	3	7.2	8.2	.	.	.	.	.	.	.	.	.	.	7.2	8.2				
	4	6.9	7.9	.	.	.	.	.	.	.	.	.	.	6.9	7.9				
ALL		17.2	22.4	42.8	35.8	0.0	0.0	0.0	5.0	2.7	36.5	58.0	17.2	18.9	16.6	28.8			
ALL	DAY																		
	1	16.0	17.0	27.3	31.2	0.0	0.0	0.0	16.0	19.2	106.5	174.5	5.6	8.2	28.3	81.9			

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORI & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD
ALL	DAY															
	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD
	12.5	22.9	.1	0.0	0.1	.1	.1	.1	81.1	107.1	15.4	14.5	29.1	65.6		
ALL	3				4				ALL							
	10.5	11.8	.1	.1	.1	.1	.1	.1	92.4	138.7	10.8	12.7	25.1	68.8		
	5.2	6.4	.1	.1	.1	.1	.1	.1					5.2	6.4		
ALL	11.0				16.2				27.3				31.2			
	11.0	16.2	27.3	31.2	0.0	0.0	0.0	0.0	16.0	19.2	92.4	138.7	10.8	12.7	25.1	68.8

APPENDIX D
SUMMARY OF COMPARATIVE STATISTICS

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FORMAL STATISTICAL SUMMARY FOR TABLE 37

PEAK CO, TUKEY, NO TREAT 7, CM10 + SM10, KTAN + CTAN

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: PEAK
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=267 MSE=249401
CRITICAL VALUE OF STUDENTIZED RANGE=3.656

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPEFORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT	DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
KM1 - CTAN	347.08	602.55	858.03	***
KM1 - BBFV	801.00	1068.36	1335.72	***
KM1 - SM10	985.62	1228.04	1470.47	***
CTAN - KM1	-858.03	-602.55	-347.08	***
CTAN - BBFV	239.39	465.81	692.23	***
CTAN - SM10	429.14	625.49	821.84	***
BBFV - KM1	-1335.72	-1068.36	-801.00	***
BBFV - CTAN	-692.23	-465.81	-239.39	***
BBFV - SM10	-51.90	159.69	371.27	
SM10 - KM1	-1470.47	-1228.04	-985.62	***
SM10 - CTAN	-821.84	-625.49	-429.14	***
SM10 - BBFV	-371.27	-159.69	51.90	

AVG CO, TUKEY, NO TREAT 7, COV, CM10 + SM10, KTAN + CTAN

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: AVG
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=267 MSE=259.675
CRITICAL VALUE OF STUDENTIZED RANGE=3.656

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT	DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
CTAN - KM1	-3.095	5.148	13.392	
CTAN - BBFV	23.931	31.237	38.543	***
CTAN - SM10	25.960	32.296	38.632	***
KM1 - CTAN	-13.392	-5.148	3.095	
KM1 - BBFV	17.461	26.088	34.715	***
KM1 - SM10	19.325	27.147	34.970	***
BBFV - CTAN	-38.543	-31.237	-23.931	***
BBFV - KM1	-34.715	-26.088	-17.461	***
BBFV - SM10	-5.768	1.059	7.886	
SM10 - CTAN	-38.632	-32.296	-25.960	***
SM10 - KM1	-34.970	-27.147	-19.325	***
SM10 - BBFV	-7.886	-1.059	5.768	

FORMAL STATISTICAL SUMMARY FOR TABLE 38

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: ACET
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=120 MSE=6506.38
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
CTAN - BBFV	-6.14	48.60		103.35	***
CTAN - SM10	20.74	67.32		113.90	***
CTAN - KM1	11.85	74.08		136.30	
BBFV - CTAN	-103.35	-48.60		6.14	
BBFV - SM10	-29.47	18.72		66.91	
BBFV - KM1	-37.96	25.48		88.91	
SM10 - CTAN	-113.90	-67.32		-20.74	***
SM10 - BBFV	-66.91	-18.72		29.47	
SM10 - KM1	-49.79	6.75		63.29	
KM1 - CTAN	-136.30	-74.08		-11.85	***
KM1 - BBFV	-88.91	-25.48		37.96	
KM1 - SM10	-63.29	-6.75		49.79	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: DCM
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=16824.2
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
CTAN - SM10	-18.65		56.25	131.16	
CTAN - BBFV	-17.94		70.09	158.12	
CTAN - KM1	-1.88		98.18	198.23	
SM10 - CTAN	-131.16		-56.25	18.65	
SM10 - BBFV	-63.65		13.84	91.32	
SM10 - KM1	-49.00		41.92	132.84	
BBFV - CTAN	-158.12		-70.09	17.94	
BBFV - SM10	-91.32		-13.84	63.65	
BBFV - KM1	-73.92		28.08	130.09	
KM1 - CTAN	-198.23		-98.18	1.88	
KM1 - SM10	-132.84		-41.92	49.00	
KM1 - BBFV	-130.09		-28.08	73.92	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: TCE
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=14037.3
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - BBFV	6.16	86.57	166.98	***		
CTAN - SM10	39.22	107.63	176.05	***		
CTAN - KM1	26.78	118.17	209.57	***		
BBFV - CTAN	-166.98	-86.57	-6.16	***		
BBFV - SM10	-49.71	21.06	91.84			
BBFV - KM1	-61.57	31.60	124.78			
SM10 - CTAN	-176.05	-107.63	-39.22	***		
SM10 - BBFV	-91.84	-21.06	49.71			
SM10 - KM1	-72.51	10.54	93.59			
KM1 - CTAN	-209.57	-118.17	-26.78	***		
KM1 - BBFV	-124.78	-31.60	61.57			
KM1 - SM10	-93.59	-10.54	72.51			

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: BNZ
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=3137.38
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
CTAN - BBFV	27.29	103.32	65.31	103.32	***
CTAN - SM10	108.36	173.05	140.71	173.05	***
CTAN - KM1	113.88	200.30	157.09	200.30	***
BBFV - CTAN	-103.32	-27.29	-65.31	-27.29	***
BBFV - SM10	41.94	108.86	75.40	108.86	***
BBFV - KM1	47.73	135.83	91.78	135.83	***
SM10 - CTAN	-173.05	-108.36	-140.71	-108.36	***
SM10 - BBFV	-108.86	-41.94	-75.40	-41.94	***
SM10 - KM1	-22.88	55.64	16.38	55.64	***
KM1 - CTAN	-200.30	-113.88	-157.09	-113.88	***
KM1 - BBFV	-135.83	-47.73	-91.78	-47.73	***
KM1 - SM10	-55.64	22.88	-16.38	22.88	***

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: DMCH
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=3565.23
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS CONFIDENCE LIMIT		
	LOWER	UPPER		LOWER	UPPER	
CTAN - SM10	21.70	90.66	56.18	90.66	***	
CTAN - KM1	10.89	103.01	56.95	103.01	***	
CTAN - BBFV	16.96	98.01	57.49	98.01	***	
SM10 - CTAN	-90.66	-21.70	-56.18	-21.70	***	
SM10 - KM1	-41.09	42.62	0.76	42.62		
SM10 - BBFV	-34.36	36.98	1.31	36.98		
KM1 - CTAN	-103.01	-10.89	-56.95	-10.89	***	
KM1 - SM10	-42.62	41.09	-0.76	41.09		
KM1 - BBFV	-46.42	47.50	0.54	47.50		
BBFV - CTAN	-98.01	-16.96	-57.49	-16.96	***	
BBFV - SM10	-36.98	34.36	-1.31	34.36		
BBFV - KM1	-47.50	46.42	-0.54	46.42		

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: DMBZ
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=5592.95
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - SM10	137.29	180.48	223.67	223.67	240.81	***
CTAN - KM1	124.50	182.20	239.89	239.89	240.81	***
CTAN - BBFV	139.30	190.06	240.81	240.81	240.81	***
SM10 - CTAN	-223.67	-180.48	-137.29	-137.29	-137.29	***
SM10 - KM1	-50.71	1.72	54.14	54.14	54.26	
SM10 - BBFV	-35.10	9.58	54.26	54.26	54.26	
KM1 - CTAN	-239.89	-182.20	-124.50	-124.50	-124.50	***
KM1 - SM10	-54.14	-1.72	50.71	50.71	50.71	
KM1 - BBFV	-50.95	7.86	66.68	66.68	66.68	
BBFV - CTAN	-240.81	-190.06	-139.30	-139.30	-139.30	***
BBFV - SM10	-54.26	-9.58	35.10	35.10	35.10	
BBFV - KM1	-66.68	-7.86	50.95	50.95	50.95	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: NON
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=46229.3
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - KM1	158.13	489.85	323.99	489.85	***	***
CTAN - SM10	200.71	449.03	324.87	449.03	***	***
CTAN - BBFV	189.90	481.75	335.83	481.75	***	***
KM1 - CTAN	-489.85	-158.13	-323.99	-158.13	***	***
KM1 - SM10	-149.83	151.59	0.88	151.59		
KM1 - BBFV	-157.26	180.93	11.84	180.93		
SM10 - CTAN	-449.03	-200.71	-324.87	-200.71	***	***
SM10 - KM1	-151.59	149.83	-0.88	149.83		
SM10 - BBFV	-117.49	139.40	10.96	139.40		
BBFV - CTAN	-481.75	-189.90	-335.83	-189.90	***	***
BBFV - KM1	-180.93	157.26	-11.84	157.26		
BBFV - SM10	-139.40	117.49	-10.96	117.49		

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: IND
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=5286.05
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - SM10	79.03	121.01	121.01	163.00	191.27	***
CTAN - KM1	79.84	135.92	135.92	192.01	191.27	***
CTAN - BBFV	92.59	141.93	141.93	191.27	191.27	***
SM10 - CTAN	-163.00	-121.01	-121.01	-79.03	-79.03	***
SM10 - KM1	-36.05	14.91	14.91	65.87	65.87	
SM10 - BBFV	-22.52	20.92	20.92	64.35	64.35	
KM1 - CTAN	-192.01	-135.92	-135.92	-79.84	-79.84	***
KM1 - SM10	-65.87	-14.91	-14.91	36.05	36.05	
KM1 - BBFV	-51.17	6.01	6.01	63.19	63.19	
BBFV - CTAN	-191.27	-141.93	-141.93	-92.59	-92.59	***
BBFV - SM10	-64.35	-20.92	-20.92	22.52	22.52	
BBFV - KM1	-63.19	-6.01	-6.01	51.17	51.17	

ORGANICS -- TUKEY, NO TREAT 7, GROUP EFFECT, CM10+SM10, KTAN+CTAN 20
16:39 WEDNESDAY, JANUARY 18, 1989

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: MNAF
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=998.235
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - BBFV	18.716	61.602	40.159	18.716	61.602	***
CTAN - SM10	46.675	83.164	64.919	46.675	83.164	***
CTAN - KM1	44.211	92.956	68.584	44.211	92.956	***
BBFV - CTAN	-61.602	-18.716	-40.159	-61.602	-18.716	***
BBFV - SM10	5.886	43.635	24.761	5.886	43.635	***
BBFV - KM1	3.577	53.273	28.425	3.577	53.273	***
SM10 - CTAN	-83.164	-46.675	-64.919	-83.164	-46.675	***
SM10 - BBFV	-43.635	-5.886	-24.761	-43.635	-5.886	***
SM10 - KM1	-18.482	25.811	3.664	-18.482	25.811	***
KM1 - CTAN	-92.956	-44.211	-68.584	-92.956	-44.211	***
KM1 - BBFV	-53.273	-3.577	-28.425	-53.273	-3.577	***
KM1 - SM10	-25.811	18.482	-3.664	-25.811	18.482	***

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: TMN
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=2621.22
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPEPORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	CONFIDENCE LIMIT			CONFIDENCE LIMIT		
CTAN - SM10	18.496		48.060	77.625		***
CTAN - KM1	9.842		49.337	88.831		***
CTAN - BBFV	26.254		61.002	95.749		***
SM10 - CTAN	-77.625		-48.060	-18.496		***
SM10 - KM1	-34.611		1.276	37.164		
SM10 - BBFV	-17.644		12.941	43.526		
KM1 - CTAN	-88.831		-49.337	-9.842		***
KM1 - SM10	-37.164		-1.276	34.611		
KM1 - BBFV	-28.600		11.665	51.929		
BBFV - CTAN	-95.749		-61.002	-26.254		***
BBFV - SM10	-43.526		-12.941	17.644		
BBFV - KM1	-51.929		-11.665	28.600		

FORMAL STATISTICAL SUMMARY FOR TABLE 39

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: AL
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=.0062436
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
CTAN - BBFV	-0.03848	0.01301	0.01301	0.06450	***
CTAN - SM10	0.07047	0.11524	0.11524	0.16000	***
CTAN - KM1	0.07348	0.12555	0.12555	0.17762	***
BBFV - CTAN	-0.06450	-0.01301	-0.01301	0.03848	***
BBFV - SM10	0.05237	0.10223	0.10223	0.15208	***
BBFV - KM1	0.05604	0.11254	0.11254	0.16905	***
SM10 - CTAN	-0.16000	-0.11524	-0.11524	-0.07047	***
SM10 - BBFV	-0.15208	-0.10223	-0.10223	-0.05237	***
SM10 - KM1	-0.04014	0.01032	0.01032	0.06078	
KM1 - CTAN	-0.17762	-0.12555	-0.12555	-0.07348	***
KM1 - BBFV	-0.16905	-0.11254	-0.11254	-0.05604	***
KM1 - SM10	-0.06078	-0.01032	-0.01032	0.04014	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=.0399625
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VITYPORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
	CONFIDENCE LIMIT			CONFIDENCE LIMIT	
CTAN - BBFV	0.17441	0.30466	0.43492	0.43492	***
CTAN - SM10	0.27973	0.39298	0.50623	0.50623	***
CTAN - KM1	0.27423	0.40596	0.53769	0.53769	***
BBFV - CTAN	-0.43492	-0.30466	-0.17441	-0.17441	***
BBFV - SM10	-0.03782	0.08832	0.21445	0.21445	
BBFV - KM1	-0.04166	0.10130	0.24426	0.24426	
SM10 - CTAN	-0.50623	-0.39298	-0.27973	-0.27973	***
SM10 - BBFV	-0.21445	-0.08832	0.03782	0.03782	
SM10 - KM1	-0.11467	0.01298	0.14064	0.14064	
KM1 - CTAN	-0.53769	-0.40596	-0.27423	-0.27423	***
KM1 - BBFV	-0.24426	-0.10130	0.04166	0.04166	
KM1 - SM10	-0.14064	-0.01298	0.11467	0.11467	

METALS --TUKEY TEST-ALL VEHICLES, GROUP, KTAN + CTAN, NO TREAT 7 16:38 WEDNESDAY, JANUARY 18, 1989¹⁴

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: CR
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.0E-05
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
BBFV - CTAN	-0.0020266	0.0008891	0.0008891	0.0038047	0.0038047	***
BBFV - SM10	0.0068044	0.0096278	0.0096278	0.0124512	0.0124512	***
BBFV - KM1	0.0067575	0.0099574	0.0099574	0.0131573	0.0131573	***
CTAN - BBFV	-0.0038047	-0.0008891	-0.0008891	0.0020266	0.0020266	***
CTAN - SM10	0.0062038	0.0087387	0.0087387	0.012737	0.012737	***
CTAN - KM1	0.0061198	0.0090683	0.0090683	0.0120169	0.0120169	***
SM10 - BBFV	-0.0124512	-0.0096278	-0.0096278	-0.0068044	-0.0068044	***
SM10 - CTAN	-0.0112737	-0.0087387	-0.0087387	-0.0062038	-0.0062038	***
SM10 - KM1	-0.0025278	0.0003296	0.0003296	0.0031870	0.0031870	***
KM1 - BBFV	-0.0131573	-0.0099574	-0.0099574	-0.0067575	-0.0067575	***
KM1 - CTAN	-0.0120169	-0.0090683	-0.0090683	-0.0061198	-0.0061198	***
KM1 - SM10	-0.0031870	-0.0003296	-0.0003296	0.0025278	0.0025278	***

GENERAL LINEAR MODEL'S PROCEDURE

TUKLY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: CU
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.1E-04
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VARIABLE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
	LOWER LIMIT	UPPER LIMIT		UPPER LIMIT	LOWER LIMIT
SM10 - BBFV	-0.006577	0.002658	0.002658	0.011893	0.011893
SM10 - CTAN	-0.004558	0.003734	0.003734	0.012025	0.012025
SM10 - KM1	-0.000742	0.008605	0.008605	0.017951	0.017951
BBFV - SM10	-0.011893	-0.002658	-0.002658	0.006577	0.006577
BBFV - CTAN	-0.008461	0.001075	0.001075	0.010612	0.010612
BBFV - KM1	-0.004520	0.005947	0.005947	0.016413	0.016413
CTAN - SM10	-0.012025	-0.003734	-0.003734	0.004558	0.004558
CTAN - BBFV	-0.010612	-0.001075	-0.001075	0.008461	0.008461
CTAN - KM1	-0.004774	0.004871	0.004871	0.014516	0.014516
KM1 - SM10	-0.017951	-0.008605	-0.008605	0.00742	0.00742
KM1 - BBFV	-0.016413	-0.005947	-0.005947	0.004520	0.004520
KM1 - CTAN	-0.014516	-0.004871	-0.004871	0.004774	0.004774

METALS --TUKEY TEST-ALL VEHICLES, GROUP, KIAN + CTAN, NO TREAT 7 16:38 WEDNESDAY, JANUARY 18, 1989 16

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: FE
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=.0183643
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VARIABLE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
BBFV - CTAN	-0.02142	0.06688	0.06688	0.15518	0.15518	***
BBFV - SM10	0.10362	0.18913	0.18913	0.27464	0.27464	***
BBFV - KM1	0.11495	0.21186	0.21186	0.30877	0.30877	***
CTAN - BBFV	-0.15518	-0.06688	-0.06688	0.02142	0.02142	***
CTAN - SM10	0.04548	0.12225	0.12225	0.19902	0.19902	***
CTAN - KM1	0.05569	0.14499	0.14499	0.23428	0.23428	***
SM10 - BBFV	-0.27464	-0.18913	-0.18913	-0.10362	-0.10362	***
SM10 - CTAN	-0.19902	-0.12225	-0.12225	-0.04548	-0.04548	***
SM10 - KM1	-0.06381	0.02273	0.02273	0.10927	0.10927	***
KM1 - BBFV	-0.30877	-0.21186	-0.21186	-0.11495	-0.11495	***
KM1 - CTAN	-0.23428	-0.14499	-0.14499	-0.05569	-0.05569	***
KM1 - SM10	-0.10927	-0.02273	-0.02273	0.06381	0.06381	***

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=3.9E-04
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
CTAN - BBFV	-0.002925	0.010014		0.022953	
CTAN - SM10	0.026809	0.038059		0.049308	***
CTAN - KM1	0.025101	0.038187		0.051272	***
BBFV - CTAN	-0.022953	-0.010014		0.002925	
BBFV - SM10	0.015515	0.028045		0.040575	***
BBFV - KM1	0.013972	0.028173		0.042374	***
SM10 - CTAN	-0.049308	-0.038059		-0.026809	***
SM10 - BBFV	-0.040575	-0.028045		-0.015515	***
SM10 - KM1	-0.012553	0.000128		0.012809	
KM1 - CTAN	-0.051272	-0.038187		-0.025101	***
KM1 - BBFV	-0.042374	-0.028173		-0.013972	***
KM1 - SM10	-0.012809	-0.000128		0.012553	

METALS --TUKEY TEST--ALL VEHICLES, GROUP, KTAN + CTAN, NO TREAT 7 16:38 WEDNESDAY, JANUARY 18, 1989 18

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: SB
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.3E-05
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPE COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
CTAN - BBFV	0.000760	0.003905	0.003905	0.007049	***
CTAN - KM1	0.003932	0.007112	0.007112	0.010292	***
CTAN - SM10	0.005012	0.007746	0.007746	0.010480	***
BBFV - CTAN	-0.007049	-0.003905	-0.003905	-0.000760	***
BBFV - KM1	-0.000244	0.003207	0.003207	0.006659	***
BBFV - SM10	0.000796	0.003841	0.003841	0.006886	***
KM1 - CTAN	-0.010292	-0.007112	-0.007112	-0.003932	***
KM1 - BBFV	-0.006659	-0.003207	-0.003207	0.000244	
KM1 - SM10	-0.002448	0.000633	0.000633	0.003715	
SM10 - CTAN	-0.010480	-0.007746	-0.007746	-0.005012	***
SM10 - BBFV	-0.006886	-0.003841	-0.003841	-0.000796	***
SM10 - KM1	-0.003715	-0.000633	-0.000633	0.002448	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: SR
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=1.5E-06
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
BBFV - CTAN	0.0005237	0.0013203		0.0021170	0.0021170	***
BBFV - SM10	0.0016205	0.0023919		0.0031634	0.0031634	***
BBFV - KM1	0.0017157	0.0025900		0.0034643	0.0034643	***
CTAN - BBFV	-0.0021170	-0.0013203		-0.0005237	-0.0005237	***
CTAN - SM10	0.0003790	0.0010716		0.0017642	0.0017642	***
CTAN - KM1	0.0004641	0.0012697		0.0020753	0.0020753	***
SM10 - BBFV	-0.0031634	-0.0023919		-0.0016205	-0.0016205	***
SM10 - CTAN	-0.0017642	-0.0010716		-0.0003790	-0.0003790	***
SM10 - KM1	-0.0005827	0.0001981		0.0009788	0.0009788	
KM1 - BBFV	-0.0034643	-0.0025900		-0.0017157	-0.0017157	***
KM1 - CTAN	-0.0020753	-0.0012697		-0.0004641	-0.0004641	***
KM1 - SM10	-0.0009788	-0.0001981		0.0005827	0.0005827	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: T1
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.1E-05
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
BBFV - CTAN	0.0020548	0.0050526	0.0050526	0.0080504	0.0080504	***
BBFV - KM1	0.0043190	0.0076091	0.0076091	0.0108992	0.0108992	***
BBFV - SM10	0.0059313	0.0088342	0.0088342	0.0117372	0.0117372	***
CTAN - BBFV	-0.0080504	-0.0050526	-0.0050526	-0.0020548	-0.0020548	***
CTAN - KM1	-0.0004751	0.0025565	0.0025565	0.0055882	0.0055882	***
CTAN - SM10	0.0011753	0.0037817	0.0037817	0.0063881	0.0063881	***
KM1 - BBFV	-0.0108992	-0.0076091	-0.0076091	-0.0043190	-0.0043190	***
KM1 - CTAN	-0.0055882	-0.0025565	-0.0025565	0.0004751	0.0004751	
KM1 - SM10	-0.0017128	0.0012251	0.0012251	0.0041631	0.0041631	
SM10 - BBFV	-0.0117372	-0.0088342	-0.0088342	-0.0059313	-0.0059313	***
SM10 - CTAN	-0.0063881	-0.0037817	-0.0037817	-0.0011753	-0.0011753	***
SM10 - KM1	-0.0041631	-0.0012251	-0.0012251	0.0017128	0.0017128	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: ZN
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.9E-04
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
BBFV - KM1	0.018597	0.030851	0.043104	0.043104	***
BBFV - CTAN	0.024833	0.035998	0.047163	0.047163	***
BBFV - SM10	0.037120	0.047931	0.058743	0.058743	***
KM1 - BBFV	-0.043104	-0.030851	-0.018597	-0.018597	***
KM1 - CTAN	-0.006143	0.005147	0.016438	0.016438	***
KM1 - SM10	0.006139	0.017081	0.028023	0.028023	***
CTAN - BBFV	-0.047163	-0.035998	-0.024833	-0.024833	***
CTAN - KM1	-0.016438	-0.005147	0.006143	0.006143	***
CTAN - SM10	0.002226	0.011933	0.021641	0.021641	***
SM10 - BBFV	-0.058743	-0.047931	-0.037120	-0.037120	***
SM10 - KM1	-0.028023	-0.017081	-0.006139	-0.006139	***
SM10 - CTAN	-0.021641	-0.011933	-0.002226	-0.002226	***

FORMAL STATISTICAL SUMMARY FOR TABLE 40

AVERAGE CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: AVG
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=39 MSE=415.896
CRITICAL VALUE OF STUDENTIZED RANGE=4.394

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS		SIMULTANEOUS UPPER CONFIDENCE LIMIT	
1 - 6	-38.68	0.13	38.93			
1 - 7	-22.55	16.25	55.05			
1 - 3	-16.86	22.86	62.57			
1 - 4	-16.86	22.86	62.57			
1 - 5	-14.51	28.00	70.51			
1 - 2	-2.55	36.25	75.05			
6 - 1	-38.93	-0.13	38.68			
6 - 7	-15.56	16.13	47.81			
6 - 3	-10.06	22.73	55.53			
6 - 4	-10.06	22.73	55.53			
6 - 5	-8.25	27.88	64.00			
6 - 2	4.44	36.13	67.81			***
7 - 1	-55.05	-16.25	22.55			
7 - 6	-47.81	-16.13	15.56			
7 - 3	-26.19	6.61	39.40			
7 - 4	-26.19	6.61	39.40			
7 - 5	-24.37	11.75	47.87			
7 - 2	-11.6	20.00	51.68			
3 - 1	-62.57	-22.86	16.86			
3 - 6	-55.53	-22.73	10.06			
3 - 7	-39.40	-6.61	26.19			
3 - 4	-33.87	0.00	33.87			
3 - 5	-31.96	5.14	42.25			
3 - 2	-19.40	13.39	46.19			
4 - 1	-62.57	-22.86	16.86			
4 - 6	-55.53	-22.73	10.06			
4 - 7	-39.40	-6.61	26.19			
4 - 3	-33.87	0.00	33.87			
4 - 5	-31.96	5.14	42.25			
4 - 2	-19.40	13.39	46.19			
5 - 1	-70.51	-28.00	14.51			
5 - 6	-64.00	-27.88	8.25			

AVERAGE CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
5 - 7	-47.87	24.37	-11.75	-47.87	24.37
5 - 3	-42.25	31.96	-5.14	-42.25	31.96
5 - 4	-42.25	31.96	-5.14	-42.25	31.96
5 - 2	-27.87	44.37	8.25	-27.87	44.37
2 - 1	-75.05	2.55	-36.25	-75.05	2.55
2 - 6	-67.81	-4.44	-36.13	-67.81	-4.44
2 - 7	-51.68	11.68	-20.00	-51.68	11.68
2 - 3	-46.19	19.40	-13.39	-46.19	19.40
2 - 4	-46.19	19.40	-13.39	-46.19	19.40
2 - 5	-44.37	27.87	-8.25	-44.37	27.87

AVERAGE CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	AVG LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	5	6	7
1	48.5869843	10.2336537	0.0001	1	0.0078	0.0900	0.1130	0.9354
2	13.4830729	7.2120631	0.0691	2	0.0078	0.2301	0.1845	0.0010
3	26.3558309	7.7231796	0.0015	3	0.0900	0.2301	0.8983	0.0336
4	27.7621917	7.7174135	0.0009	4	0.1130	0.1845	0.8983	0.0454
5	24.6464310	9.2640764	0.0113	5	0.0931	0.3485	0.7966	0.0402
6	49.6080729	7.2120631	0.0001	6	0.9354	0.0010	0.0336	0.0454
7	33.4830729	7.2120631	0.0001	7	0.2345	0.0570	0.5037	0.1219

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	AVG LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	5	6	7
1	48.5869843	10.2336537	0.0001	1	0.0078	0.0900	0.1130	0.9354
2	13.4830729	7.2120631	0.0691	2	0.0078	0.2301	0.1845	0.0010
3	26.3558309	7.7231796	0.0015	3	0.0900	0.2301	0.8983	0.0336
4	27.7621917	7.7174135	0.0009	4	0.1130	0.1845	0.8983	0.0454
5	24.6464310	9.2640764	0.0113	5	0.0931	0.3485	0.7966	0.0402
6	49.6080729	7.2120631	0.0001	6	0.9354	0.0010	0.0336	0.0454
7	33.4830729	7.2120631	0.0001	7	0.2345	0.0570	0.5037	0.1219

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	AVG LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	5	6	7
1	48.5869843	10.2336537	0.0001	1	0.0078	0.0900	0.1130	0.9354
2	13.4830729	7.2120631	0.0691	2	0.0078	0.2301	0.1845	0.0010
3	26.3558309	7.7231796	0.0015	3	0.0900	0.2301	0.8983	0.0336
4	27.7621917	7.7174135	0.0009	4	0.1130	0.1845	0.8983	0.0454
5	24.6464310	9.2640764	0.0113	5	0.0931	0.3485	0.7966	0.0402
6	49.6080729	7.2120631	0.0001	6	0.9354	0.0010	0.0336	0.0454
7	33.4830729	7.2120631	0.0001	7	0.2345	0.0570	0.5037	0.1219

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

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FORMAL STATISTICAL SUMMARY FOR TABLE 41

PEAK CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: PEAK
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=39 MSE 280763
CRITICAL VALUE OF STUDENTIZED RANGE=4.394

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
1 - 6	-834.5	173.8	1182.0	1182.0		
1 - 3	-514.1	517.9	1549.8	1549.8		
1 - 4	-484.1	547.9	1579.8	1579.8		
1 - 7	-445.7	562.5	1570.7	1570.7		
1 - 5	196.6	1301.0	2405.4	2405.4	***	
1 - 2	459.3	1467.5	2475.7	2475.7	***	
6 - 1	-1182.0	-173.8	334.5	334.5		
6 - 3	-508.0	344.1	1196.2	1196.2		
6 - 4	-478.0	374.1	1226.2	1226.2		
6 - 7	-434.5	388.8	1212.0	1212.0		
6 - 5	188.6	1127.3	2065.9	2065.9	***	
6 - 2	470.5	1293.8	2117.0	2117.0	***	
3 - 1	-1549.8	-517.9	514.1	514.1		
3 - 6	-1196.2	-344.1	508.0	508.0		
3 - 4	-850.0	30.0	910.0	910.0		
3 - 7	-807.5	44.6	896.7	896.7		
3 - 5	-180.9	783.1	1747.2	1747.2	***	
3 - 2	97.5	949.6	1801.7	1801.7	***	
4 - 1	-1579.8	-547.9	484.1	484.1		
4 - 6	-1226.2	-374.1	478.0	478.0		
4 - 3	-910.0	-30.0	850.0	850.0		
4 - 7	-837.5	14.6	866.7	866.7		
4 - 5	-210.9	753.1	1717.2	1717.2	***	
4 - 2	67.5	919.6	1771.7	1771.7	***	
7 - 1	-1570.7	-562.5	445.7	445.7		
7 - 6	-1212.0	-388.8	434.5	434.5		
7 - 3	-896.7	-44.6	807.5	807.5		
7 - 4	-866.7	-14.6	837.5	837.5		
7 - 5	-200.1	738.5	1677.1	1677.1	***	
7 - 2	81.8	905.0	1728.2	1728.2	***	
5 - 1	-2405.4	-1301.0	-196.6	-196.6	***	
5 - 6	-2065.9	-1127.3	-188.6	-188.6	***	

PEAK CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
5 - 3	-1747.2	180.9	-783.1	-459.3	***	
5 - 4	-1717.2	210.9	-753.1	-470.5	***	
5 - 5	-1677.1	200.1	-738.5	-97.5	***	
5 - 7	-1677.1	200.1	-738.5	-67.5	***	
5 - 2	-772.1	1105.1	166.5	-81.8	***	
2 - 1	-2475.7	-459.3	-1467.5	772.1		
2 - 2	-2117.0	-470.5	-1293.8			
2 - 3	-1801.7	-97.5	-949.6			
2 - 4	-1771.7	-67.5	-919.6			
2 - 7	-1728.2	-81.8	-905.0			
2 - 5	-1105.1	772.1	-166.5			

FORMAL STATISTICAL SUMMARY FOR TABLE 42

PEAK CO FOR BBFV

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: PEAK
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=51 MSE=73944.6
CRITICAL VALUE OF STUDENTIZED RANGE=4.187

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
1 - 4	-315.1	45.0	405.1		
1 - 6	-160.1	200.0	560.1		
1 - 3	-48.1	312.0	672.1		
1 - 2	-12.2	369.8	751.7		
1 - 5	28.9	389.0	749.1		***
4 - 1	-405.1	-45.0	315.1		
4 - 6	-205.1	155.0	515.1		
4 - 3	-93.1	267.0	627.1		
4 - 2	-57.2	324.8	706.7		
4 - 5	-16.1	344.0	704.1		
6 - 1	-560.1	-200.0	160.1		
6 - 4	-515.1	-155.0	205.1		
6 - 3	-248.1	112.0	472.1		
6 - 2	-212.2	169.8	551.7		
6 - 5	-171.1	189.0	549.1		
3 - 1	-672.1	-312.0	48.1		
3 - 4	-627.1	-267.0	93.1		
3 - 6	-472.1	-112.0	248.1		
3 - 2	-324.2	57.8	439.7		
3 - 5	-283.1	77.0	437.1		
2 - 1	-751.7	-369.8	12.2		
2 - 4	-706.7	-324.8	57.2		
2 - 6	-551.7	-169.8	212.2		
2 - 3	-439.7	-57.8	324.2		
2 - 5	-362.7	19.3	401.2		
5 - 1	-749.1	-389.0	-28.9		***
5 - 4	-704.1	-344.0	16.1		
5 - 6	-549.1	-189.0	171.1		
5 - 3	-437.1	-77.0	283.1		
5 - 2	-401.2	-19.3	362.7		

PEAK CO FOR BBFV

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T H0:LSMEAN=0	1/J	1	2	3	4	5	6
1	606.004143	85.991233	0.0001	0.0001	1	0.0060	0.0133	0.0133	0.7129	0.0024	0.1062
2	236.224109	96.148249	0.0175	0.0175	2	0.0060	0.6561	0.6561	0.0150	0.8821	0.1940
3	294.004143	85.991233	0.0012	0.0012	3	0.0133	0.6561	0.0327	0.0327	0.5294	0.3614
4	561.004143	85.991233	0.0001	0.0001	4	0.7129	0.0150	0.0327	0.0067	0.2082	0.1263
5	217.004143	85.991233	0.0148	0.0148	5	0.0024	0.8821	0.5294	0.0067	0.1263	
6	406.004143	85.991233	0.0001	0.0001	6	0.1062	0.1940	0.3614	0.2082	0.1263	

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| H0:LSMEAN=0	1/J	1	2	3	4	5	6
1	606.004143	85.991233	0.0001	0.0001	1	0.0060	0.0133	0.0133	0.7129	0.0024	0.1062
2	236.224109	96.148249	0.0175	0.0175	2	0.0060	0.6561	0.6561	0.0150	0.8821	0.1940
3	294.004143	85.991233	0.0012	0.0012	3	0.0133	0.6561	0.0327	0.0327	0.5294	0.3614
4	561.004143	85.991233	0.0001	0.0001	4	0.7129	0.0150	0.0327	0.0067	0.2082	0.1263
5	217.004143	85.991233	0.0148	0.0148	5	0.0024	0.8821	0.5294	0.0067	0.1263	
6	406.004143	85.991233	0.0001	0.0001	6	0.1062	0.1940	0.3614	0.2082	0.1263	

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| H0:LSMEAN=0	1/J	1	2	3	4	5	6
1	606.004143	85.991233	0.0001	0.0001	1	0.0060	0.0133	0.0133	0.7129	0.0024	0.1062
2	236.224109	96.148249	0.0175	0.0175	2	0.0060	0.6561	0.6561	0.0150	0.8821	0.1940
3	294.004143	85.991233	0.0012	0.0012	3	0.0133	0.6561	0.0327	0.0327	0.5294	0.3614
4	561.004143	85.991233	0.0001	0.0001	4	0.7129	0.0150	0.0327	0.0067	0.2082	0.1263
5	217.004143	85.991233	0.0148	0.0148	5	0.0024	0.8821	0.5294	0.0067	0.1263	
6	406.004143	85.991233	0.0001	0.0001	6	0.1062	0.1940	0.3614	0.2082	0.1263	

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

FORMAL STATISTICAL SUMMARY FOR TABLE 43

PEAK CO FOR KTAN COMBINED WITH CTAN

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: PEAK
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=77 MSE=353398
CRITICAL VALUE OF STUDENTIZED RANGE=4.282

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS		SIMULTANEOUS UPPER CONFIDENCE LIMIT		
6 - 7	-615.4	171.0	957.4				
6 - 4	-450.9	335.5	1122.0				
6 - 3	-248.5	496.7	1241.9				
6 - 1	-136.4	608.9	1354.1				
6 - 5	-164.5	621.9	1408.3				
6 - 2	268.6	1013.9	1759.1				***
7 - 6	-957.4	-171.0	615.4				
7 - 4	-602.9	164.5	932.0				
7 - 3	-399.5	325.7	1050.9				
7 - 1	-287.3	437.9	1163.0				
7 - 5	-316.6	450.9	1218.4				
7 - 2	117.7	842.9	1568.0				***
4 - 6	-1122.0	-335.5	450.9				
4 - 7	-932.0	-164.5	602.9				
4 - 3	-564.0	161.2	886.4				
4 - 1	-451.9	273.3	998.5				
4 - 5	-481.1	286.4	1053.8				
4 - 2	-46.9	678.3	1403.5				
3 - 6	-1241.9	-496.7	248.5				
3 - 7	-1050.9	-325.7	399.5				
3 - 4	-886.4	-161.2	564.0				
3 - 1	-568.1	112.1	792.4				
3 - 5	-600.0	125.2	850.4				
3 - 2	-163.1	517.1	1197.4				
1 - 6	-1354.1	-608.9	136.4				
1 - 7	-1163.0	-437.9	287.3				
1 - 4	-998.5	-273.3	451.9				
1 - 3	-792.4	-112.1	568.1				
1 - 5	-712.1	13.1	738.2				
1 - 2	-275.3	405.0	1085.3				
5 - 6	-1408.3	-621.9	164.5				
5 - 7	-1218.4	-450.9	316.6				

PEAK CO FOR KTAN COMBINED WITH CTAN
GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
5 - 4	-1053.8	481.1	-286.4	-1053.8	481.1
5 - 3	-850.4	600.0	-125.2	-850.4	600.0
5 - 1	-738.2	712.1	-13.1	-738.2	712.1
5 - 2	-333.2	1117.1	391.9	-333.2	1117.1
2 - 6	-1759.1	-268.6	-1013.9	-1759.1	-268.6
2 - 7	-1568.0	..117.7	-842.9	-1568.0	..117.7
2 - 4	-1403.5	46.9	-678.3	-1403.5	46.9
2 - 3	-1197.4	163.1	-517.1	-1197.4	163.1
2 - 1	-1085.3	275.3	-405.0	-1085.3	275.3
2 - 5	-1117.1	333.2	-391.9	-1117.1	333.2

PEAK CO FOR KTAN COMBINED WITH CTAN

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	792.54779	158.87968	0.0001	1	0.0754	0.6191	0.2162	0.9617	0.0256	0.0780	0.0008	0.0008
2	387.54779	158.87968	0.0170	2	0.0754	0.0241	0.0044	0.0862	0.0002	0.0008	0.0008	0.0008
3	904.69065	158.87968	0.0001	3	0.6191	0.0241	0.4384	0.6759	0.0725	0.1913	0.1913	0.1913
4	1091.35866	179.43336	0.0001	4	0.2162	0.0044	0.4384	0.2606	0.3175	0.6123	0.6123	0.6123
5	804.10739	179.42037	0.0001	5	0.9617	0.0862	0.6759	0.2606	0.0383	0.1049	0.1049	0.1049
6	1353.76875	188.59990	0.0001	6	0.0256	0.0002	0.0725	0.3175	0.0383	0.6097	0.6097	0.6097
7	1220.47081	179.26652	0.0001	7	0.0780	0.0008	0.1913	0.6123	0.1049	0.6097	0.6097	0.6097

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	792.54779	158.87968	0.0001	1	0.0754	0.6191	0.2162	0.9617	0.0256	0.0780	0.0008	0.0008
2	387.54779	158.87968	0.0170	2	0.0754	0.0241	0.0044	0.0862	0.0002	0.0008	0.0008	0.0008
3	904.69065	158.87968	0.0001	3	0.6191	0.0241	0.4384	0.6759	0.0725	0.1913	0.1913	0.1913
4	1091.35866	179.43336	0.0001	4	0.2162	0.0044	0.4384	0.2606	0.3175	0.6123	0.6123	0.6123
5	804.10739	179.42037	0.0001	5	0.9617	0.0862	0.6759	0.2606	0.0383	0.1049	0.1049	0.1049
6	1353.76875	188.59990	0.0001	6	0.0256	0.0002	0.0725	0.3175	0.0383	0.6097	0.6097	0.6097
7	1220.47081	179.26652	0.0001	7	0.0780	0.0008	0.1913	0.6123	0.1049	0.6097	0.6097	0.6097

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	792.54779	158.87968	0.0001	1	0.0754	0.6191	0.2162	0.9617	0.0256	0.0780	0.0008	0.0008
2	387.54779	158.87968	0.0170	2	0.0754	0.0241	0.0044	0.0862	0.0002	0.0008	0.0008	0.0008
3	904.69065	158.87968	0.0001	3	0.6191	0.0241	0.4384	0.6759	0.0725	0.1913	0.1913	0.1913
4	1091.35866	179.43336	0.0001	4	0.2162	0.0044	0.4384	0.2606	0.3175	0.6123	0.6123	0.6123
5	804.10739	179.42037	0.0001	5	0.9617	0.0862	0.6759	0.2606	0.0383	0.1049	0.1049	0.1049
6	1353.76875	188.59990	0.0001	6	0.0256	0.0002	0.0725	0.3175	0.0383	0.6097	0.6097	0.6097
7	1220.47081	179.26652	0.0001	7	0.0780	0.0008	0.1913	0.6123	0.1049	0.6097	0.6097	0.6097

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

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FORMAL STATISTICAL SUMMARY FOR TABLE 44

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: NON
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=52 MSE=176.677
CRITICAL VALUE OF STUDENTIZED RANGE=4.184

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
3 - 2	-12.680	5.975	24.630	***	
3 - 1	1.252	18.840	36.428	***	
3 - 4	1.737	19.807	37.876	***	
3 - 5	3.259	20.098	36.937	***	
3 - 6	2.998	20.586	38.174	***	
2 - 3	-24.630	-5.975	12.680		
2 - 1	-5.790	12.865	31.520		
2 - 4	-5.278	13.832	32.941		
2 - 5	-3.827	14.123	32.074		
2 - 6	-4.044	14.611	33.266		
1 - 3	-36.428	-18.840	-1.252	***	
1 - 2	-31.520	-12.865	5.790		
1 - 4	-17.103	0.967	19.036		
1 - 5	-15.581	1.258	18.097		
1 - 6	-15.842	1.746	19.334		
4 - 3	-37.876	-19.807	-1.737	***	
4 - 2	-32.941	-13.832	5.278		
4 - 1	-19.036	-0.967	17.103		
4 - 5	-17.050	0.292	17.633		
4 - 6	-17.290	0.779	18.849		
5 - 3	-36.937	-20.098	-3.259	***	
5 - 2	-32.074	-14.123	3.827		
5 - 1	-18.097	-1.258	15.581		
5 - 4	-17.633	-0.292	17.050		
5 - 6	-16.351	0.488	17.327		
6 - 3	-38.174	-20.586	-2.998	***	
6 - 2	-33.266	-14.611	4.044		
6 - 1	-19.334	-1.746	15.842		
6 - 4	-18.849	-0.779	17.290		
6 - 5	-17.327	-0.488	16.351		

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: IND
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=52 MSE=678.456
CRITICAL VALUE OF STUDENTIZED RANGE=4.184

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	CONFIDENCE LIMIT			CONFIDENCE LIMIT		
3 - 2	-31.36	5.20	41.76	***		
3 - 1	4.08	38.55	73.01	***		
3 - 4	10.89	46.30	81.71	***		
3 - 6	14.37	48.84	83.31	***		
3 - 5	16.77	49.77	82.77	***		
2 - 3	-41.76	-5.20	31.36			
2 - 1	-3.21	33.35	69.90	***		
2 - 4	3.65	41.10	78.55	***		
2 - 6	7.08	43.64	80.20	***		
2 - 5	9.39	44.57	79.74	***		
1 - 3	-73.01	-38.55	-4.08	***		
1 - 2	-69.90	-33.35	3.21			
1 - 4	-27.66	7.75	43.16			
1 - 6	-24.17	10.29	44.76			
1 - 5	-21.78	11.22	44.22			
4 - 3	-81.71	-46.30	-10.89	***		
4 - 2	-78.55	-41.10	-3.65	***		
4 - 1	-43.16	-7.75	27.66			
4 - 6	-32.87	2.54	37.95			
4 - 5	-30.51	3.47	37.45			
6 - 3	-83.31	-48.84	-14.37	***		
6 - 2	-80.20	-43.64	-7.08	***		
6 - 1	-44.76	-10.29	24.17			
6 - 4	-37.95	-2.54	32.87			
6 - 5	-32.07	0.93	33.93			
5 - 3	-82.77	-49.77	-16.77	***		
5 - 2	-79.74	-44.57	-9.39	***		
5 - 1	-44.22	-11.22	21.78			
5 - 4	-37.45	-3.47	30.51			
5 - 6	-33.93	-0.93	32.07			

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: TMN
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=52 MSE=185.685
CRITICAL VALUE OF STUDENTIZED RANGE=4.184

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
3 - 2	-3.987	34.262	15.137	-3.987	34.262	***
3 - 1	11.896	47.958	29.927	11.896	47.958	***
3 - 5	17.516	52.042	34.779	17.516	52.042	***
3 - 6	17.657	53.719	35.688	17.657	53.719	***
3 - 4	18.868	55.917	37.392	18.868	55.917	***
2 - 3	-34.262	3.987	-15.137	-34.262	3.987	
2 - 1	-4.335	33.914	14.790	-4.335	33.914	***
2 - 5	1.239	38.044	19.642	1.239	38.044	***
2 - 6	1.426	39.675	20.550	1.426	39.675	***
2 - 4	2.664	41.846	22.255	2.664	41.846	***
1 - 3	-47.958	-11.896	-29.927	-47.958	-11.896	***
1 - 2	-33.914	4.335	-14.790	-33.914	4.335	
1 - 5	-12.411	22.115	4.852	-12.411	22.115	
1 - 6	-12.270	23.792	5.761	-12.270	23.792	
1 - 4	-11.059	25.990	7.465	-11.059	25.990	
5 - 3	-52.042	-17.516	-34.779	-52.042	-17.516	***
5 - 2	-38.044	-1.239	-19.642	-38.044	-1.239	***
5 - 1	-22.115	12.411	-4.852	-22.115	12.411	
5 - 6	-16.354	18.172	0.909	-16.354	18.172	
5 - 4	-15.165	20.391	2.613	-15.165	20.391	
6 - 3	-53.719	-17.657	-35.688	-53.719	-17.657	***
6 - 2	-39.675	-1.426	-20.550	-39.675	-1.426	***
6 - 1	-23.792	12.270	-5.761	-23.792	12.270	
6 - 5	-18.172	16.354	-0.909	-18.172	16.354	
6 - 4	-16.820	20.229	1.704	-16.820	20.229	
4 - 3	-55.917	-18.868	-37.392	-55.917	-18.868	***
4 - 2	-41.846	-2.664	-22.255	-41.846	-2.664	***
4 - 1	-25.990	11.059	-7.465	-25.990	11.059	
4 - 5	-20.391	15.165	-2.613	-20.391	15.165	
4 - 6	-20.229	16.820	-1.704	-20.229	16.820	

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	DMCH LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	1.75825750	2.69661795	0.5173	1	0.6351	0.0658	0.9786	0.9776	0.9776	0.9776	0.7776
2	3.69441615	3.01849925	0.2265	2	0.6351	0.2011	0.6602	0.6029	0.6029	0.4600	0.4600
3	8.92695621	2.69332128	0.0017	3	0.0658	0.2011	0.0768	0.0514	0.0514	0.0351	0.0351
4	1.86401818	2.83856180	0.5143	4	0.9786	0.6602	0.0768	0.9559	0.9559	0.7630	0.7630
5	1.65547117	2.45785106	0.5036	5	0.9776	0.6029	0.0514	0.9559	0.9559	0.7895	0.7895
6	0.67707160	2.69483476	0.8026	6	0.7776	0.4600	0.0351	0.7630	0.7630	0.7895	0.7895

TREAT	DMBZ LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	16.7403958	6.8492616	0.0179	1	0.3396	0.1163	0.8574	0.9167	0.9167	0.3234	0.3234
2	26.6702561	7.6668224	0.0010	2	0.3396	0.5914	0.2698	0.2755	0.2755	0.9777	0.9777
3	32.2134200	6.8408882	0.0001	3	0.1163	0.5914	0.0881	0.0817	0.0817	0.5496	0.5496
4	14.9432760	7.2097911	0.0432	4	0.8574	0.2698	0.0881	0.9315	0.9315	0.2555	0.2555
5	15.7668359	6.2428068	0.0146	5	0.9167	0.2755	0.0817	0.9315	0.9315	0.2570	0.2570
6	26.3808278	6.8447324	0.0003	6	0.3234	0.9777	0.5496	0.2555	0.2555	0.2570	0.2570

TREAT	NON LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	6.6379214	4.2104581	0.1210	1	0.0239	0.0015	0.9814	0.9022	0.9022	0.7915	0.7915
2	21.3763646	4.7130386	0.0001	2	0.0239	0.4076	0.0282	0.0141	0.0141	0.0128	0.0128
3	26.6436194	4.2053107	0.0001	3	0.0015	0.4076	0.0020	0.0006	0.0006	0.0007	0.0007
4	6.7814433	4.4320870	0.1321	4	0.9814	0.0282	0.0020	0.8857	0.8857	0.7792	0.7792
5	5.9346824	3.8376511	0.1281	5	0.9022	0.0141	0.0006	0.8857	0.8857	0.8783	0.8783
6	5.0584497	4.2076738	0.2347	6	0.7915	0.0128	0.0007	0.7792	0.7792	0.8783	0.8783

TREAT	IND LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	20.2690774	8.2508693	0.0174	1	0.0147	0.0024	0.4592	0.2945	0.2945	0.3729	0.3729
2	51.6098871	9.2357328	0.0001	2	0.0147	0.6319	0.0025	0.0007	0.0007	0.0014	0.0014
3	57.5677812	8.2407825	0.0001	3	0.0024	0.6319	0.0003	0.0001	0.0001	0.0001	0.0001
4	11.3294461	8.6851764	0.1978	4	0.4592	0.0025	0.0003	0.8033	0.8033	0.8988	0.8988
5	8.4533173	7.5203118	0.2661	5	0.2945	0.0007	0.0001	0.8033	0.8033	0.9045	0.9045
6	9.7977494	8.2454133	0.2401	6	0.3729	0.0014	0.0001	0.8988	0.8988	0.9045	0.9045

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	MNAP LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(1)=LSMEAN(J)	1	2	3	4	5	6
1	25.9411670	5.8669589	0.0001	1	0.4593	0.2722	0.0520	0.0875	0.0894		
2	19.3607981	6.5672674	0.0048	2	0.4593	0.7660	0.2546	0.3981	0.3832		
3	16.7304930	5.8597865	0.0062	3	0.2722	0.7660	0.3669	0.5654	0.5394		
4	8.9846521	6.1757823	0.1517	4	0.0520	0.2546	0.3669	0.7009	0.7596		
5	12.1401318	5.3474802	0.0274	5	0.0879	0.3981	0.5654	0.7009	0.9465		
6	11.6053564	5.8630793	0.0531	6	0.0894	0.3832	0.5394	0.7596	0.9465		

TREAT	TMN LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(1)=LSMEAN(J)	1	2	3	4	5	6
1	9.2991148	4.3164593	0.0359	1	0.0359	0.0001	0.2111	0.3873	0.3430		
2	23.2869158	4.8316926	0.0001	2	0.0359	0.0206	0.0017	0.0035	0.0035		
3	38.7272799	4.3111823	0.0001	3	0.0001	0.0206	0.0001	0.0001	0.0001		
4	1.3588117	4.5436679	0.7661	4	0.2111	0.0017	0.0001	0.6374	0.7380		
5	4.2094077	3.9342666	0.2896	5	0.3873	0.0035	0.0001	0.6374	0.8992		
6	3.4668527	4.3136049	0.4252	6	0.3430	0.0035	0.0001	0.7380	0.8992		

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

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FORMAL STATISTICAL SUMMARY FOR TABLE 45

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: DMBZ
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=29 MSE=16548.3
CRITICAL VALUE OF STUDENTIZED RANGE=4.475

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

TREAT COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
5 - 7	-111.60	114.85	114.85	-111.60	341.30	
5 - 4	-124.37	156.51	156.51	-124.37	437.39	
5 - 6	-20.38	217.95	217.95	-20.38	456.29	
5 - 1	9.15	235.60	235.60	9.15	462.05	***
5 - 3	14.98	253.32	253.32	14.98	491.65	***
5 - 2	98.98	337.31	337.31	98.98	575.65	***
7 - 5	-341.30	-114.85	-114.85	-341.30	111.60	
7 - 4	-246.15	41.67	41.67	-246.15	329.48	
7 - 6	-143.36	103.11	103.11	-143.36	349.58	
7 - 1	-114.25	120.75	120.75	-114.25	355.75	
7 - 3	-108.00	138.47	138.47	-108.00	384.94	
7 - 2	-24.00	222.47	222.47	-24.00	468.94	
4 - 5	-437.39	-156.51	-156.51	-437.39	124.37	
4 - 7	-329.48	-41.67	-41.67	-329.48	246.15	
4 - 6	-235.82	61.44	61.44	-235.82	358.70	
4 - 1	-208.73	79.08	79.08	-208.73	366.90	
4 - 3	-200.45	96.80	96.80	-200.45	394.06	
4 - 2	-116.46	180.80	180.80	-116.46	478.06	
6 - 5	-456.29	-217.95	-217.95	-456.29	20.38	
6 - 7	-349.58	-103.11	-103.11	-349.58	143.36	
6 - 4	-358.70	-61.44	-61.44	-358.70	235.82	
6 - 1	-228.83	17.64	17.64	-228.83	264.11	
6 - 3	-222.07	35.36	35.36	-222.07	292.79	
6 - 2	-138.07	119.36	119.36	-138.07	376.79	
1 - 5	-462.05	-235.60	-235.60	-462.05	-9.15	***
1 - 7	-355.75	-120.75	-120.75	-355.75	114.25	
1 - 4	-366.90	-79.08	-79.08	-366.90	208.73	
1 - 6	-264.11	-17.64	-17.64	-264.11	228.83	
1 - 3	-228.75	17.72	17.72	-228.75	264.19	
1 - 2	-144.75	101.72	101.72	-144.75	348.19	
3 - 5	-491.65	-253.32	-253.32	-491.65	-14.98	***
3 - 7	-384.94	-138.47	-138.47	-384.94	108.00	
3 - 4	-394.06	-96.80	-96.80	-394.06	200.45	
3 - 6	-292.79	-35.36	-35.36	-292.79	222.07	
3 - 1	-264.19	-17.72	-17.72	-264.19	228.75	
3 - 2	-173.43	84.00	84.00	-173.43	341.43	

GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE		SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT		BETWEEN MEANS	UPPER CONFIDENCE LIMIT		
2 - 5	-575.65		-337.31	-98.98	***	
2 - 7	-468.94		-222.47	24.00		
2 - 4	-478.06		-180.80	116.46		
2 - 6	-376.79		-119.36	138.07		
2 - 1	-348.19		-101.72	144.75		
2 - 3	-341.43		-84.00	173.43		

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: MNAP
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=29 MSE=1896.5
CRITICAL VALUE OF STUDENTIZED RANGE=4.475

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
5 - 7	-35.85	40.81		-117.47	35.85
5 - 4	-28.28	66.81		-71.43	123.43
5 - 1	-2.35	74.31		-46.06	113.06
5 - 3	4.24	84.92		-39.32	127.55
5 - 6	23.30	103.98		-20.26	146.61
5 - 2	32.42	113.10		-11.14	155.73
7 - 5	-117.47	-40.81		-161.90	28.28
7 - 4	-71.43	26.00		-123.43	71.43
7 - 1	-46.06	33.50		-89.93	104.93
7 - 3	-39.32	44.11		-82.52	118.74
7 - 6	-20.26	63.17		-63.46	137.80
7 - 2	-11.14	72.29		-54.34	146.92
4 - 5	-161.90	-66.81		-150.97	2.35
4 - 7	-123.43	-26.00		-113.06	46.06
4 - 1	-89.93	7.50		-104.93	89.93
4 - 3	-82.52	18.11		-72.82	94.05
4 - 6	-63.46	37.17		-53.76	113.11
4 - 2	-54.34	46.29		-44.64	122.23
1 - 5	-150.97	-74.31		-165.61	-4.24
1 - 7	-113.06	-33.50		-127.55	39.32
1 - 4	-104.93	-7.50		-118.74	82.52
1 - 3	-72.82	10.61		-94.05	72.82
1 - 6	-53.76	29.67		-68.09	106.21
1 - 2	-44.64	38.79		-58.97	115.33
3 - 5	-165.61	-84.92		-184.67	-23.30
3 - 7	-127.55	-44.11		-146.61	20.26
3 - 4	-118.74	-18.11		-137.80	63.46
3 - 1	-94.05	-10.61		-113.11	53.76
3 - 6	-68.09	19.06		-106.21	68.09
3 - 2	-58.97	28.18		-78.03	96.27
6 - 5	-184.67	-103.98			
6 - 7	-146.61	-63.17			
6 - 4	-137.80	-37.17			
6 - 1	-113.11	-29.67			
6 - 3	-106.21	-19.06			
6 - 2	-78.03	9.12			

GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE		SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	BETWEEN MEANS	CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
2 - 5	-193.79	-32.42	-113.10	-32.42	11.14	**
2 - 7	-155.73	11.14	-72.29	11.14	54.34	
2 - 4	-146.92	54.34	-46.29	54.34	44.64	
2 - 1	-122.23	44.64	-38.79	44.64	58.97	
2 - 3	-115.33	58.97	-28.18	58.97	78.03	
2 - 6	-96.27	78.03	-9.12	78.03		

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	DMCH LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| H0: LSMEAN=0	1/J	1	2	3	4	5	6	7
1	38.430067	45.290948	0.4031	0.4031	1	0.8803	0.8803	0.8988	0.6803	0.0401	0.8664	0.7876
2	28.230806	49.764399	0.5749	0.5749	2	0.8803	0.8803	0.9822	0.7830	0.0367	0.9865	0.6855
3	29.805175	50.056862	0.5562	0.5562	3	0.8988	0.9822	0.7701	0.0398	0.0386	0.9688	0.7040
4	5.237978	65.185822	0.9365	0.9365	4	0.6803	0.7830	0.7701	0.0386	0.0386	0.7940	0.5250
5	171.736054	42.134015	0.0003	0.0003	5	0.0401	0.0367	0.0398	0.0386	0.0353	0.0353	0.0703
6	27.036806	49.764399	0.5911	0.5911	6	0.8664	0.9865	0.9688	0.7940	0.0353	0.0353	0.6727
7	55.919891	45.433546	0.2283	0.2283	7	0.7876	0.6855	0.7040	0.5250	0.0703	0.6727	

TREAT	DMBZ LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| H0: LSMEAN=0	1/J	1	2	3	4	5	6	7
1	172.363150	52.587153	0.0027	0.0027	1	0.2709	0.2709	0.8803	0.8895	0.0123	0.6855	0.2941
2	84.883207	57.781259	0.1526	0.1526	2	0.2709	0.2709	0.2322	0.4442	0.0010	0.1531	0.0419
3	184.230270	58.120838	0.0036	0.0036	3	0.8803	0.2322	0.7990	0.7990	0.0254	0.8075	0.3971
4	159.383525	75.687017	0.0440	0.0440	4	0.8895	0.4442	0.7990	0.0288	0.0288	0.6439	0.3189
5	364.695519	48.921649	0.0001	0.0001	5	0.0123	0.0010	0.0254	0.0288	0.0437	0.0437	0.1267
6	204.245207	57.781259	0.0014	0.0014	6	0.6855	0.1531	0.8075	0.6439	0.0437	0.0437	0.5469
7	252.146412	52.752722	0.0001	0.0001	7	0.2941	0.0419	0.3971	0.3189	0.1267	0.5469	

TREAT	NON LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| H0: LSMEAN=0	1/J	1	2	3	4	5	6	7
1	357.657585	191.249110	0.0716	0.0716	1	0.5728	0.5728	0.6265	0.4290	0.2386	0.8814	0.7033
2	195.982184	210.139052	0.3587	0.3587	2	0.5728	0.5728	0.9414	0.7585	0.0955	0.6904	0.3594
3	217.940814	211.374032	0.3110	0.3110	3	0.6265	0.9414	0.7135	0.1131	0.1131	0.7454	0.4024
4	87.574613	275.258763	0.7526	0.7526	4	0.4290	0.7585	0.7135	0.0817	0.0817	0.5201	0.2694
5	672.865182	177.918396	0.0007	0.0007	5	0.2386	0.0955	0.1131	0.0817	0.2062	0.2062	0.4247
6	315.004184	210.139052	0.1447	0.1447	6	0.8814	0.6904	0.7454	0.5201	0.2062	0.2062	0.6106
7	462.123078	191.851253	0.0226	0.0226	7	0.7033	0.3594	0.4024	0.2694	0.4247	0.6106	

TREAT	IND LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| H0: LSMEAN=0	1/J	1	2	3	4	5	6	7
1	179.490812	65.349388	0.0102	0.0102	1	0.4556	0.4556	0.5735	0.1156	0.3170	0.5229	0.6406
2	106.247639	71.804039	0.1497	0.1497	2	0.4556	0.4556	0.8607	0.3500	0.0928	0.9171	0.2405
3	124.160111	72.226028	0.0963	0.0963	3	0.5730	0.8607	0.2835	0.2835	0.1345	0.9430	0.3212
4	-7.133612	94.055296	0.9401	0.9401	4	0.1156	0.3500	0.2835	0.0181	0.0181	0.3074	0.0519
5	270.621941	60.794313	0.0001	0.0001	5	0.3170	0.0928	0.1345	0.0181	0.1148	0.1148	0.5985
6	116.857639	71.804039	0.1145	0.1145	6	0.5229	0.9171	0.9430	0.3074	0.1148	0.1148	0.2848
7	223.264238	65.555139	0.0020	0.0020	7	0.6406	0.2405	0.3212	0.0519	0.5985	0.2848	

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	MNAP LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	80.774491	17.802428	0.0001	1	0.2087	0.9852	0.4503	0.0210	0.3550	0.4470		
2	46.851254	19.560799	0.0233	2	0.2087	0.2349	0.7621	0.0011	0.7429	0.0541		
3	80.281122	19.675757	0.0003	3	0.9852	0.2349	0.4786	0.0279	0.3850	0.4611		
4	56.786028	25.622469	0.0347	4	0.4503	0.7621	0.4786	0.0098	0.9802	0.1709		
5	140.285921	16.561538	0.0001	5	0.0210	0.0011	0.0279	0.0098	0.0028	0.1093		
6	55.971254	19.560799	0.0077	6	0.3550	0.7429	0.3850	0.9802	0.0028	0.1067		
7	100.262562	17.858479	0.0001	7	0.4470	0.0541	0.4611	0.1709	0.1093	0.1067		

TREAT	TMN LSMEAN	STD ERR LSMEAN	PROB > |T| H0: LSMEAN=0	PROB > |T| I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	85.525155	48.645926	0.0893	1	0.6829	0.5586	0.2357	0.6001	0.4437	0.6380		
2	55.776200	53.450752	0.3053	2	0.6829	0.8642	0.4119	0.3629	0.7299	0.3963		
3	42.779942	53.764880	0.4327	3	0.5586	0.8642	0.5008	0.2794	0.8617	0.3096		
4	-18.192698	70.014535	0.7968	4	0.2357	0.4119	0.5008	0.1029	0.5952	0.1174		
5	120.846157	45.255140	0.0123	5	0.6001	0.3629	0.2794	0.1029	0.2048	0.9704		
6	29.540200	53.450752	0.5847	6	0.4437	0.7299	0.8617	0.5952	0.2048	0.2316		
7	118.367059	48.799087	0.0217	7	0.6380	0.3963	0.3096	0.1174	0.9704	0.2316		

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

FORMAL STATISTICAL SUMMARY FOR TABLE 46

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: AL
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=20 MSE=.0107923
CRITICAL VALUE OF STUDENTIZED RANGE=4.445

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
3 - 5	-0.05475	0.16429	0.16429	0.38333	0.38333	
3 - 2	-0.02431	0.18220	0.18220	0.38871	0.38871	
3 - 4	-0.04138	0.19708	0.19708	0.43555	0.43555	
3 - 6	-0.00247	0.20404	0.20404	0.41055	0.41055	
3 - 1	0.00559	0.21210	0.21210	0.41861	0.41861	***
5 - 3	-0.38333	-0.16429	-0.16429	0.05475	0.05475	
5 - 2	-0.20113	0.01791	0.01791	0.23695	0.23695	
5 - 4	-0.21660	0.03279	0.03279	0.28218	0.28218	
5 - 6	-0.17929	0.03975	0.03975	0.25879	0.25879	
5 - 1	-0.17123	0.04781	0.04781	0.26685	0.26685	
2 - 3	-0.38871	-0.18220	-0.18220	0.02431	0.02431	
2 - 5	-0.23695	-0.01791	-0.01791	0.20113	0.20113	
2 - 4	-0.22358	0.01488	0.01488	0.25335	0.25335	
2 - 6	-0.18467	0.02184	0.02184	0.22835	0.22835	
2 - 1	-0.17661	0.02990	0.02990	0.23641	0.23641	
4 - 3	-0.43555	-0.19708	-0.19708	0.04138	0.04138	
4 - 5	-0.28218	-0.03279	-0.03279	0.21660	0.21660	
4 - 2	-0.25335	-0.01488	-0.01488	0.22358	0.22358	
4 - 6	-0.23151	0.00696	0.00696	0.24542	0.24542	
4 - 1	-0.22345	0.01502	0.01502	0.25348	0.25348	
6 - 3	-0.41055	-0.20404	-0.20404	0.00247	0.00247	
6 - 5	-0.25879	-0.03975	-0.03975	0.17929	0.17929	
6 - 2	-0.22835	-0.02184	-0.02184	0.18467	0.18467	
6 - 4	-0.24542	-0.00696	-0.00696	0.23151	0.23151	
6 - 1	-0.19845	0.00806	0.00806	0.21457	0.21457	
1 - 3	-0.41861	-0.21210	-0.21210	-0.00559	-0.00559	***
1 - 5	-0.26685	-0.04781	-0.04781	0.17123	0.17123	
1 - 2	-0.23641	-0.02990	-0.02990	0.17661	0.17661	
1 - 4	-0.25348	-0.01502	-0.01502	0.22345	0.22345	
1 - 6	-0.21457	-0.00806	-0.00806	0.19845	0.19845	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: T1
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=20 MSE=7.1E-05
CRITICAL VALUE OF STUDENTIZED RANGE=4.445

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
3 - 5	-0.003526	0.014231	0.017757	0.031988	0.031988	
3 - 4	-0.004049	0.015283	0.019332	0.034615	0.034615	
3 - 6	-0.001148	0.015594	0.016742	0.032336	0.032336	***
3 - 2	0.000098	0.016840	0.016742	0.033582	0.033582	***
3 - 1	0.000480	0.017222	0.016742	0.033964	0.033964	***
5 - 3	-0.031988	-0.014231	-0.017757	0.003526	0.003526	
5 - 4	-0.019166	0.001052	0.020218	0.021269	0.021269	
5 - 6	-0.016394	0.001363	0.017757	0.019120	0.019120	
5 - 2	-0.015148	0.002609	0.017757	0.020366	0.020366	
5 - 1	-0.014766	0.002991	0.017757	0.020748	0.020748	
4 - 3	-0.034615	-0.015283	-0.019332	0.004049	0.004049	
4 - 5	-0.021269	-0.001052	-0.020218	0.019166	0.019166	
4 - 6	-0.019021	0.000311	-0.019332	0.019643	0.019643	
4 - 2	-0.017757	0.001557	-0.019332	0.020889	0.020889	
4 - 1	-0.017393	0.001939	-0.019332	0.021271	0.021271	
6 - 3	-0.032336	-0.015594	-0.016742	0.001148	0.001148	
6 - 5	-0.019120	-0.001363	-0.020483	0.016394	0.016394	
6 - 4	-0.019643	-0.000311	-0.020483	0.019021	0.019021	
6 - 2	-0.015496	0.001246	-0.016742	0.017988	0.017988	
6 - 1	-0.015114	0.001628	-0.016742	0.018370	0.018370	
2 - 3	-0.033582	-0.016840	-0.016742	-0.000098	-0.000098	***
2 - 5	-0.020366	-0.002609	-0.020483	0.015148	0.015148	
2 - 4	-0.020889	-0.001557	-0.020483	0.017775	0.017775	
2 - 6	-0.017988	-0.001246	-0.020483	0.015496	0.015496	
2 - 1	-0.016360	0.000382	-0.020483	0.017124	0.017124	
1 - 3	-0.033964	-0.017222	-0.016742	-0.000480	-0.000480	***
1 - 5	-0.020748	-0.002991	-0.020483	0.014766	0.014766	
1 - 4	-0.021271	-0.001939	-0.020483	0.017393	0.017393	
1 - 6	-0.018370	-0.001628	-0.020483	0.015114	0.015114	
1 - 2	-0.017124	-0.000382	-0.020483	0.016360	0.016360	

METALS AL -- BBFV WITH SIGNIFICANT TREATMENT DIFFERENCE
GENERAL LINEAR MODELS PROCEDURE

13:32 THURSDAY, JANUARY 12, 1989⁴

LEAST SQUARES MEANS

TREAT	AL LSMEAN	STD ERR LSMEAN	PROB > |T| HO: LSMEAN=0	PROB > |T| I/J	HO: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	0.06718198	0.04646056	0.1637	1	0.6540	0.0042	0.9507	0.4239	0.9036		
2	0.09708198	0.04646056	0.0496	2	0.6540	0.0117	0.6544	0.7022	0.7430		
3	0.27928198	0.04646056	0.0001	3	0.0042	0.0117	0.0101	0.0379	0.0056		
4	0.06240876	0.06047679	0.3144	4	0.9507	0.6544	0.0101	0.4505	0.8681		
5	0.12415104	0.05210371	0.0272	5	0.4239	0.7022	0.0379	0.4505	0.4915		
6	0.07524198	0.04646056	0.1210	6	0.9036	0.7430	0.0056	0.8681	0.4915		

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

METALS MG -- BBFV WITH SIGNIFICANT TREATMENT DIFFERENCE
GENERAL LINEAR MODELS PROCEDURE

13:32 THURSDAY, JANUARY 12, 1989

LEAST SQUARES MEANS

TREAT	MG LSMEAN	STD ERR LSMEAN	PROB > |T| H0:LSMEAN=0	PROB > |T| I/J	HO: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	0.01505820	0.01521184	0.3340	1	0.8236	0.0052	0.7863	0.5626	0.7386		
2	0.01991820	0.01521184	0.2052	2	0.8236	0.0087	0.9369	0.7108	0.9116		
3	0.08251420	0.01521184	0.0001	3	0.0052	0.0087	0.0249	0.0283	0.0111		
4	0.02192101	0.01980095	0.2814	4	0.7863	0.9369	0.0249	0.8045	0.9869		
5	0.02851072	0.01705948	0.1102	5	0.5626	0.7108	0.0283	0.8045	0.7898		
6	0.02233620	0.01521184	0.1576	6	0.7386	0.9116	0.0111	0.9869	0.7898		

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

METALS T1 -- BBFV WITH SIGNIFICANT TREATMENT DIFFERENCE
GENERAL LINEAR MODELS PROCEDURE

13:32 THURSDAY, JANUARY 12, 1989

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LEAST SQUARES MEANS

TREAT	T1 LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T H0:LSMEAN=0	1/J	PROB > T H0:LSMEAN=0	1	2	3	4	5	6
1	0.00581261	0.00376651	0.1384	0.1384	1	0.9435	0.9435	0.0042	0.9584	0.5164	0.5164	0.7630
2	0.00619461	0.00376651	0.1157	0.1157	2	0.9435	0.9435	0.0049	0.9930	0.5598	0.5598	0.8174
3	0.02303461	0.00376651	0.0001	0.0001	3	0.0042	0.0042	0.0129	0.0129	0.0272	0.0272	0.0083
4	0.00613932	0.00490279	0.2249	0.2249	4	0.9584	0.9584	0.0129	0.0129	0.6057	0.6057	0.8355
5	0.00954996	0.00422399	0.0351	0.0351	5	0.5164	0.5164	0.0272	0.6057	0.7132	0.7132	0.7132
6	0.00744061	0.00376651	0.0622	0.0622	6	0.7630	0.7630	0.0083	0.8355	0.7132	0.7132	0.7132

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

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FORMAL STATISTICAL SUMMARY FOR TABLE 47

PAIRED T TESTS FOR CO BY VEHICLE TYPE

VARIABLE	MEAN	N	STANDARD DEVIATION	STD ERROR OF MEAN	RANGE	T	PR>|T|
----- VTYPFORT=BBFV -----							
PDIFFAVG	-0.07142857	28	3.60995097	0.68221661	18.00000000	-0.10	0.9174
PDIFFPEK	16.42857143	28	279.63222256	52.84552282	1310.00000000	0.31	0.7583
----- VTYPFORT=CM10 -----							
PDIFFAVG	-2.75000000	4	6.18465844	3.09232922	13.00000000	-0.89	0.4394
PDIFFPEK	-22.50000000	4	122.30426539	61.15213270	290.00000000	-0.37	0.7373
----- VTYPFORT=CTAN -----							
PDIFFAVG	-8.22727273	22	30.00624033	6.39735193	150.00000000	-1.29	0.2124
PDIFFPEK	216.36363636	22	868.42794725	185.14946046	3940.00000000	1.17	0.2557
----- VTYPFORT=KM1 -----							
PDIFFAVG	13.26666667	15	22.13744942	5.71586486	90.00000000	2.32	0.0359
PDIFFPEK	218.00000000	15	294.28363383	75.98370753	990.00000000	2.87	0.0124
----- VTYPFORT=KTAN -----							
PDIFFAVG	14.00000000	10	21.70509413	6.86375343	80.00000000	2.04	0.0718
PDIFFPEK	585.00000000	10	823.64029366	260.45793006	2550.00000000	2.25	0.0513
----- VTYPFORT=SM10 -----							
PDIFFAVG	-0.48837209	43	4.25593196	0.64902354	26.00000000	-0.75	0.4560
PDIFFPEK	-18.37209302	43	476.11988403	72.60760162	3670.00000000	-0.25	0.8015

PAIRED T TESTS FOR CO BY VEHICLE TYPE AND TREAT CM10+SM10 KTAN+C

VARIABLE	MEAN	N	VARIANCE	STD ERROR OF MEAN	RANGE	T	PR>|T|
----- VTYPEFORT=88FV TREAT=4 -----							
PDIFFAVG	-1.70000000	10	5.34444444	0.73105707	8.00000000	-2.33	0.0451
PDIFFPEK	-45.00000000	10	84072.2222222	91.69090589	980.00000000	-0.49	0.6353
----- VTYPEFORT=88FV TREAT=5 -----							
PDIFFAVG	2.25000000	8	21.35711429	1.63390418	11.00000000	1.38	0.2109
PDIFFPEK	-26.25000000	8	11855.35711429	38.49570941	370.00000000	-0.68	0.5172
----- VTYPEFORT=88FV TREAT=6 -----							
PDIFFAVG	-0.30000000	10	9.34444444	0.96666667	11.00000000	-0.31	0.7634
PDIFFPEK	112.00000000	10	125328.888889	111.95038584	1310.00000000	1.00	0.3432
----- VTYPEFORT=CTAN TREAT=4 -----							
PDIFFAVG	-16.18181818	11	1461.76364	11.52768855	150.00000000	-1.40	0.1907
PDIFFPEK	185.45454545	11	1136047.27273	321.36742958	4140.00000000	0.58	0.5766
----- VTYPEFORT=CTAN TREAT=5 -----							
PDIFFAVG	1.72727273	11	322.218182	5.41226034	67.00000000	0.32	0.7562
PDIFFPEK	427.27272727	11	656361.818182	244.27291335	2200.00000000	1.75	0.1108
----- VTYPEFORT=CTAN TREAT=6 -----							
PDIFFAVG	11.80000000	10	494.622222	7.03293838	83.00000000	1.68	0.1277
PDIFFPEK	387.00000000	10	509645.555556	225.75330685	2210.00000000	1.71	0.1206
----- VTYPEFORT=KM1 TREAT=4 -----							
PDIFFAVG	-3.33333333	3	233.3333333	8.81917104	30.00000000	-0.38	0.7418
PDIFFPEK	-90.00000000	3	46300.000000	124.23096769	430.00000000	-0.72	0.5441
----- VTYPEFORT=KM1 TREAT=5 -----							
PDIFFAVG	8.00000000	5	170.0000000	5.83095189	30.00000000	1.37	0.2420
PDIFFPEK	142.00000000	5	14470.000000	53.79591063	250.00000000	2.64	0.0576
----- VTYPEFORT=KM1 TREAT=6 -----							
PDIFFAVG	24.14285714	7	653.4761905	9.66197400	70.00000000	2.50	0.0466
PDIFFPEK	404.28571429	7	84261.9047619	109.71515377	680.00000000	3.68	0.0103
----- VTYPEFORT=SM10 TREAT=4 -----							
PDIFFAVG	-2.44444444	18	17.673203	0.99088071	14.00000000	-2.47	0.0246
PDIFFPEK	-121.11111111	18	189081.045752	102.49147546	1990.00000000	-1.18	0.2536
----- VTYPEFORT=SM10 TREAT=5 -----							
PDIFFAVG	-1.00000000	13	12.333333	0.97402153	14.00000000	-1.03	0.3248
PDIFFPEK	-173.07692308	13	131123.076923	100.43102376	1190.00000000	-1.72	0.1105

PAIRED T TESTS FOR CO BY VEHICLE TYPE AND TREAT CM10+SM10 KIAN+C

VARIABLE	MEAN	N	VARIANCE	STD ERROR OF MEAN	RANGE	T	PR>|T|
----- VTYPFORT=SM10 TREAT=6 -----							
PDIFFAVG	1.56250000	16	20.529167	1.13272809	19.00000000	1.38	0.1880
PDIFFPEK	221.87500000	16	223562.916667	118.20610091	2000.00000000	1.88	0.0801